RTE for WIN32

Installation Manual (Rev.7.0)

Midas lab

REVISION HISTORY

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January 10,2002	4.1		Add Windows XP support (RTE4W32 Ver.5.05)
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1. INTRODUCTION

This manual explains how to install RTE for WIN32. RTE for WIN32 is designed to be installed in a PC in which Windows Vista, Windows XP Professional, Windows XP Home Edition, Windows 98, Windows 2000, Windows 95, or Windows NT 4.0 (x86) of Microsoft is already installed. 60 Mbytes of disk space is required to install RTE for WIN32.

This software is common to all RTE series products. The information in this manual applies to them in common. For settings specific to an individual product, refer to the applicable manual.



1.1. INSTALLATION

The RTE for WIN32 install CD-ROM is provided with a dedicated install command (setup.exe). Use this command to install the DLL (dynamic link library) of RTE for WIN32. The setup.exe command performs the following:

- Copies rte4w32.dll and rte4w32.ini to the Windows directory(*1).
- Creates a directory for RTE for WIN32, and copies the DLL and the relevant programs to that directory.
- Creates an RTE for WIN32 folder in Start menu and creates a Check RTE2 shortcut icon within that folder.
- The RTE I/O driver is installed in the Windows 7 (32-bit), Windows Vista, Windows XP, Windows 2000, or Windows NT 4.0 environment. In the Windows NT 4.0 environment, the RTE PC-Card driver is also installed (if selected).
- In the Windows 7 (32-bit), Windows Vista, Windows XP or Windows 2000 environment, the PC-Card driver, the PCI board driver, and the INF file is copied to RTE for WIN32 directory.
- In the Windows 7, Windows Vista, Windows XP, Windows 2000 or Windows 98 environment, the USB driver and INF file are copied to the RTE for WIN32 directory.

Try to create a dedicated directory for RTE for WIN32 as much as possible. If RTE for WIN32 is installed in a dedicated directory, it can be uninstalled safely.
*1 : In Windows 7 or Windows Vista, the rte4w32v.ini file is created into

the Windows 7 of Windows Vista, the Re4w322.ini file is created into the Windows directory. And the rte4w32.ini file is created into the directory where RTE for WIN32 is installed. For details, see Section 1.3 DIFFERENCES BETWEEN WINDOWS 7/VISTA AND OTHER OPERATING SYSTEMS.

1.2. UNINSTALLATION

RTE for WIN32 can be uninstalled, using the setup.exe command. To uninstall RTE for WIN32, delete rte4w32.dll and rte4w32.ini(*1) from the Windows directory, and all files related to the RTE from the RTE directory. Note, however, that rte4w32.lic and rte4w32.key under the Windows directory is not deleted because it holds the registered license(*2).

In the Windows 7 (32-bit), Windows Vista, Windows XP, Windows 2000, or Windows NT 4.0 environment, the RTE I/O driver is deleted. And in the Windows NT 4.0 environment, the RTE PC-Card driver is also deleted. (It is recommended that Windows NT be restarted after the deletion of the RTE PC-Card driver.)

Do not save any file other than those saved during installation into the RTE directory. If there are any files other than those installed using setup.exe, the directory cannot be deleted and RTE for WIN32 cannot be uninstalled normally.

Because the rte4w32.ini file is deleted when RTE for WIN32 is uninstalled, the address assignment for the ISA-BUS and C-BUS boards, as well as the IP address setting for LANBOX will be lost. Users are recommended, therefore, to record this information before uninstalling RTE for WIN32 and installing the new version.



- *1 : In Windows 7 or Windows Vista, the rte4w32v.ini file in the Windows directory is deleted.
- *2 : The license store files are generated into the RTE directory in Windows 7 or Windows Vista, so that if these two files exist upon the unistallation of RTE for WIN32, the dialog box is shown to verify whether or not the files should be deleted.

For details, see Section 1.3 DIFFERENCES BETWEEN WINDOWS 7/VISTA AND OTHER OPERATING SYSTEMS.

1.3. DIFFERENCES BETWEEN WINDOWS 7/VISTA AND OTHER OPERATING SYSTEMS

Windows 7 and Windows Vista has the User Account Control (UAC) function that is active as default. In order to use RTE for WIN32 like in other operating systems regardless of the UAC function is active or non-active, please be notified that differences between Windows 7/Vista and other operating systems are as follows.

- RTE for WIN32 cannot be installed into the appropriate directories and sub directories for VirtualStore. When Windows 7/Vista is in the default state, the appropriate directories are C:\Windows, C:\Program Files and C:\ProgramData.
- The rte4w32.ini file created into the Windows directory in other operating systems is generated into the directory where RTE for WIN32 is installed in Windows 7/Vista. Instead of the rte4w32.ini file, the rte4w32v.ini file is created into the Windows directory.
- For other operating systems, the license store files (rte4w32.lic and rte4w32.key) are generated into the Windows directory. However, in Windows 7/Vista, these files are

created into the directory where RTE for WIN32 is installed. Therefore, if these two files exist upon the uninstallation of RTE for WIN32, the dialog box is shown to verify whether or not the files should be deleted.

Windows 7 is supported by Ver8.00.00 or the succeeding versions of RTE for WIN32. In case that one of the older versions of RTE for WIN32 than Ver8.00.00 is installed to Windows 7, uninstall it for the installation of its new version. If one of the older versions of RTE for WIN32 than Ver7.00.00 is installed to Windows 7, uninstall it for the installation of its new version in the same manner as described below for Windows Vista.

Windows Vista is supported by Ver7.00.00 or the succeeding versions of RTE for WIN32. In case that one of the older versions of RTE for WIN32 than Ver7.00.00 is installed, uninstall RTE for WIN32 and then install it newly. When the UAC function of Windows Vista is active, rte4w32.ini/rte4w32.lic/rte4w32.key (the rte4w32.lic and rte4w32.key files are generated only when a license is registered) has been created in the VirtualStore of the Windows directory. As these files in the VirtualStore are not deleted even if RTE for WIN32 is uninstalled, please delete them manually.

1.4. Support for Windows 7 64-bit version

There are the restrictions on supporting Windows 7 64-bit version as below.

- Windows 7 64-bit version is supported by Ver8.00.00 or higher versions of RTE for WIN32.
- Products connected via ISA-BUS, PCI-BUS and PC-CARD are not supported.
- RTE-xxxx-PC and RTE-xxxx-CB are not supported.
- 64 bit applications are not supported.

2. INSTALLATION PROCEDURE

To install RTE for WIN32, insert the RTE for WIN32 install CD-ROM in a drive, and execute the \rte4w32\setup.exe command.

This command can be executed by double-clicking setup.exe in Explorer or form Run in the Start menu.

In the Windows 7, Windows Vista, Windows XP, Windows 2000, or Windows NT 4.0 environment, log in with the administrator permission.

In Windows 7, there is a case that the dialog box below may be displayed upon the execution of setup.exe. If it is shown, click the "Yes" button. When the UAC is set to "Never notify," the dialog box does not appear.

In Windows Vista, there is a case that the dialog box below may be displayed upon the execution of setup.exe. If the dialog box is shown, select [Continue]. When the UAC function is nonactive or accessing to setup.exe via the network, the dialog box does not appear.

In Windows XP Home Edition, the user whose account type is computer administrator has administrator permission.

* Dialog box to be shown when setup.exe is activated in Windows 7.



* Dialog box to be shown when setup.exe is activated in Windows Vista.



<1> When setup.exe is executed, the following dialog box appears. Choose Install from this dialog box.

If the host is running Windows NT 4.0 and has a PC-Card socket, the With PC-Card Driver check box becomes active. To use the PC-Card interface in the Windows NT 4.0 environment, place a check mark in this check box.

The PC-Card interface can be used only with a PC/AT or compatible (DOS/V machine) that is running Windows 2000 or Windows NT 4.0. It cannot be used with an NEC-PC98 computer (except the NX series of computers).



Address assignment is restricted if the PC-Card interface is used in the Windows NT 4.0 environment. For details, see Section 5.23. RESTRICTIONS ON PC-CARD INTERFACE IN WINDOWS NT 4.0 ENVIRONMENT.

* Windows 7, Windows Vista, Windows XP, Windows 2000, Windows 95/98 or

Windows NT 4.0 (without PC-Card socket)

TE for WIN32	
	RTE for WIN32
Chy E	Setup Program
RTE Setup	Copyright (c) 1995-1998 Midas lab, Inc.
<u>I</u> nstall	<u>U</u> ninstall Cancel
With PC-Ca	rd Driver
Install ☐ With PC-Ca	Uninstall Cancel

* Windows NT 4.0 (with PC-Card socket)

RTE for WIN32	
	RTE for WIN32
Gr E	Setup Program
RTE Se	up Copyright (c) 1995-1998 Midas lab, Inc.
Instal	<u>U</u> ninstall Cancel
Vith P	-Card Driver

<2> Next, a dialog box will appear which lets you specify a directory in which you will install RTE for WIN32. Specify a desired directory in the dialog box. If you choose OK, installation begins, and the necessary files are copied to the specified directory.

Installation Directory:	clifte4w32		
OK	_	Cancel	



Try to create a dedicated directory for RTE for WIN32 as much as possible. If RTE for WIN32 is installed in a dedicated directory, it can be uninstalled safely.

Unable to be installed into the appropriate directories and sub directories for VirtualStore in Windows 7 or Windows Vista. For details, see Section 1.3 DIFFERENCES BETWEEN WINDOWS 7/VISTA AND OTHER OPERATING SYSTEMS.

If the following dialog box appears when the Install button is clicked, log in with an administrator permission to execute setup.exe.

RTE for WIN32	X
Can not open service contr	ol manager.Please check administrator right.
	OK

<3> Finally, an RTE for WIN32 folder is created on the desktop and a Check RTE2 icon is created within that folder. At the same time, the RTE for Windows menu is added to the Programs list, available from the Start menu. This completes the installation.

RTE for WIN32	I
Installation completed successfully.	

If the following dialog box appears, the RTE PC-Card driver is installed in the Windows NT 4.0 environment. In this case, restart Windows NT.

RTE for WIN32
Installation completed successfully. To activate this service, please restart Windows.
OK

3. UNINSTALLATION PROCEDURE

Insert the RTE for WIN32 install CD-ROM in a drive, and execute the \rte4w32\setup.exe command. This command can be executed by double-clicking setup.exe in Explorer or from Run in the Start menu.

In the Windows 7, Windows Vista, Windows XP, Windows 2000, or Windows NT 4.0 environment, log in with the administrator permission.



<1> When setup.exe is executed, the following dialog box appears. Choose Uninstall from this dialog box. (Placing a check mark in the With PC-Card Driver check box has no effect.)

R	TE for WIN32
	RTE for WIN32
	Setup Program
	RTE Setup Copyright (c) 1995-1998 Midas lab, Inc.
	Install Uninstall Cancel
	With PC-Card Driver

<2> The name of a directory in which RTE for WIN32 has been installed is displayed.

If OK is chosen, all files installed using setup.exe are deleted from that directory, and rte4w32.dll and rte4w32.ini are deleted from the Windows directory.

If the following dialog box appears when the Uninstall button is clicked, log in with the administrator permission to execute setup.exe.

RTE for WIN32	×
Can not open service contro	I manager.Please check administrator right.
	OK

In other operating systems other than Windows 7 and Windows Vista, the rte4w32.lic and rte4w32.key files (under the Windows directory) saving license information are not deleted even when RTE for WIN32 is uninstalled. Therefore, it is unnecessary to re-register a license already-registered upon the re-installation of rte4w32. In Windows 7 or Windows Vista, when either of the rte4w32.lic file or the rte4w32.key file exists, the dialog box is shown to confirm its deletion. If Not Delete is chosen, the directory where RTE for WIN32 is installed remains without deleted. For details, see Section 1.3 WINDOWS DIFFERENCES BETWEEN 7/VISTA AND OTHER **OPERATING SYSTEMS.**

<3> Once RTE for WIN32 is uninstalled, if you want to install it again, follow the installation procedure described in Chapter 2. INSTALLATION PROCEDURE again.





Before attempting uninstallation, terminate all the applications that use an RTE. If RTE for WIN32 is uninstalled during the execution of any application that is using an RTE, uninstallation may not be completed normally, sometimes resulting in an unexpected error in addition. If the RTE PC-Card driver has been used in the Windows NT 4.0 environment, it is recommended that Windows NT be restarted after RTE for WIN32 has been uninstalled.

4. PORT SETTING AND CONFIRMATION OF CONNECTION

4.1. STATUS AFTER INSTALLATION

When RTE for WIN32 is installed, an icon (Check RTE2) is added to the RTE for WIN32 group file in the Start menu. Starting this program can set the RTE for WIN32 ports and confirm connections.

Before starting a connection test, check the RTE system settings and connection with the PC while referring to the Hardware User's Manual.



<u>ب</u>

Be sure to run Check RTE2 once, after RTE for WIN32 is installed, the communication port and conditions are changed, or another RTE product is added.

If the latest version of RTE for WIN32 is installed over RTE for WIN32 of version 4.37 or earlier, a green Check RTE32 icon appears in the above group file. Do not use Check RTE32, however, because it does not have a license registration function. Instead, use Check RTE2.

4.2. LICENSE KEY

Some products (such as VR5432-TP) require the setting of a license key to enable the use of RTE for WIN32. The license key can be found next to the serial number on the license sheet provided with the licensed product.

Input the license key and serial number in the Check RTE2 license dialog box (see Section 4.6. SETTING LICENSE KEY).

The license key must be set for each product.

4.3. CHECK RTE2

When a user clicks Check RTE2, the following dialog box appears. Each item in this dialog box is outlined below. For details, refer to the description of each product in the following sections.

	Setup RTE-Products		×	
	Setup RTE RTE: V853-IE VF-1: PCI VF V VF-2: DxDF30 V CH: Och V Use RTE Shared Server Reset RTE License Option Products Info: V853-IE License Info: License is not req	Produtos List V950E/GP2 V950E/GP3 V950E/GP2 V950/SA1 V950/SBx V950/AB2 V950/AB2 V950/GW1 V951 V952 V952 V953 V953 V953 V953 V953 V953 V953 V953 V953	Cancel	
Due du ste List				
RTE	: Displays the proc	luct selected from	the Products List	tree.
I/F-1	: Used to select th board. The para with the selected	he type and comi ameters that can product.	munication port o be selected for t	f an interface this item vary
I/F-2	: Used to select t communication b for this item vary	the I/O address on baud rate. The particular the selection with the selection	of the interface b arameters that ca made for I/F-1.	oard and the n be selected
СН	: Reserved for futu	ire function expan	sion.	
Use RTE Shared S	erver : Reserved for futu	ire function expan	sion.	
Reset RTE	: When this button This button is d hardware reset is	i is clicked, RTE fo limmed when a j s being used.	or WIN32 is reset product that does	by hardware. s not support
License	: Click this button when a product t is being used.	to set the licens that does not requ	e key. This butto uire the setting of	on is dimmed a license key
Option	: Click this button This button is dir	to set the setur mmed when a pro	o depending on e	each product. ot require the



Products Info

License Stat

ΟΚ

To select a product from the Products List tree, select the deepest item in the tree. The new product is not selected if a higher-level item is selected. Whether the new product has been selected can be checked by noting the contents of the RTE display.

therefore, the product must be connected correctly.

necessary or not.

conducted.

setting of a setup depending on each product is being used.

A license is effective or an invalid indication is not given.

: Clicking this button checks the connection of the product under the conditions selected above. Before the user clicks this button,

After checking the connection, a simple function test can be

Displays information on the product selected from Products List.Displays license information on the product selected from

Products List. It indicates whether a setup of a license is

After selecting all required items, click the OK button. After you confirm the connection with the RTE system, the following dialog box appears.

RTE for Windows	×
RTE detected .	
RTEV853,5,L32,V3.02.0,Dec 15 1999, Copyright (c) 1995-1997 Midas lab,Inc.	
ОК	

When you click on OK, the dialog box appears, on which you are requested to confirm your specification. If you choose No, the program is exited. If you choose Yes, the program starts testing the functions of the RTE system.

×
E functional test?
No
1

If an error occurs during the function test, an error message is displayed in a dialog box. See Chapter 6. ERROR MESSAGES AND REQUIRED RESPONSES for details of the error message.

When the test ends normally, the following dialog box appears.

RTE for Windows	×
RTE functional test	
RTE functional test completed successfully.	
ОК	

This is the end of the communication and basic-function tests.

[Notice] If an error occurs during installation or function test, and the cause of the error cannot be found, send the following information to your support engineer.

* Model of the PC and version of Windows used

- * Type of the RTE system and the way it is connected
- * Location and other descriptions of the error

If the function test ends normally, but a connection error occurs during communication for debugging, the type and version of the debugger should be included in the information you will send to the support engineer.

"Check RTE2" rewrites the rte4w32.ini file (that saves setup), and the rte4w32.lic and rte4w32.key files (that save a license) under the Windows directory (under the directory where RTE for WIN32 is installed in Windows 7 or Windows Vista). In the Windows 7, Windows Vista, Windows XP, Windows 2000, or Windows NT 4.0 environment, in order to permit the user without administrator permission use of Check RTE2, it is necessary to change

the permission to access of these two files. The rte4w32.lic and rte4w32.key files are not created unless license information is registered.

4.4. SETTING FOR RTE-XXXX-IE, RTE-XXXX-TP, RTE-XXXX-NBD, OR RTE-XXXX-IDB/NBD

When the user selects xxxx-IE, xxxx-TP, xxxx-NBD, or xxxx-IDB/NBD from Products List of Check RTE2, the following connection modes, that can be selected for I/F-1, appear in a pull-down list box.

- ISA I/F : This method should be selected if a host card for a desktop PC (PC/AT comp6 ptatible) is used. In this case, it is necessary to specify an I/O address in the I/F-2 box. This method appear only when a host is PC/AT compatible(*1).
- C-BUS I/F : This method should be selected if a host card for a desktop PC (NEC-PC98 except NX series) is used. In this case, it is necessary to specify an I/O address in the I/F-2 box. This method appear only when a host is NEC-PC98 (except NX series).
- PC CARD : This method should be selected if a PC-Card (PCMCIA) interface card is used. The I/F-2 box displays the currently assigned I/O address; you need not specify an I/O address. This item is not displayed unless a PC-Card is mounted(*1).
- PCI I/F : This method should be selected if a host card for a PCI-BUS is used. The I/F-2 box displays the currently assigned I/O address; you need not specify an I/O address. This item is not displayed unless a host interface card for the PCI-BUS is installed. It is not displayed for an NEC-PC98 computer (except the NX series of computers) (*1).
- LAN I/F : This method should be selected if a LAN is used. In this case, it is necessary to specify the IP address of the RTE-2000(H)-TP to connect to in the I/F-2 box.
- USB I/F : This method should be selected if USB is used. This item does not appear unless the RTE-2000(H)-TP is connected to the host through USB. When multiple RTE-2000(H)-TPs are connected to the host through USB, it is necessary to specify the MAC address of the RTE-2000(H)-TP to connect to in the I/F-2 box. The MAC address of the RTE-2000(H)-TP is provided on the label at the back of it.

850E/PH3 850E/xxx 950E/3410 950E/3420	-
150E/3137 150E/3137 150E/3137 150E2/ME3 150E2/ME3-TP 150ES/SJ2 10MZ 131	
V /8 /8 /8 /8	4A85E2 (850E2/ME3 <mark>V850E2/ME3-TP</mark> (850ES/SJ2 /30MZ /831 /832

*1 : In Windows 7 64-bit version, ISA I/F, PC-CARD and PCI I/F are not shown (Refer to "1.4 SUPPORT FOR WINDOWS 7 64-BIT VERSION").

4.5. SETTING FOR RTE-XXXX-PC OR RTE-XXXX-CB

When the user selects xxxx-PC or xxxx-CB from Products List of Check RTE2, the following connection modes, that can be selected for I/F-1, appear in a pull-down list box.

- IO port : This connection method should be selected if a ISA-BUS is used. This item is not displayed unless the board specified in the I/F-1 box is an ISA-BUS board. In this case, it is necessary to specify an I/O address assigned to the board in the I/F-2 box.
- PCI : This connection method should be selected if a PCI-BUS is used. This item is not displayed unless the board specified in the I/F-1 box is a PCI-BUS board. It is not displayed for an NEC-PC98 computer (except the NX series of computers). In this case, it is not necessary to specify an I/O address because AUTO is displayed in the I/F-2 box.
- **COM1,2,3,4** :One of COM numbers should be selected if a serial port is used. In this case, it is necessary to specify a baud rate in the I/F-2 box.

Setup RTE-Products Setup RTE RTE: V850E2/ME3-CB VF-1: COM1: VF-2: 115200 bps CH: Och CH: Och CH: Och Reset RTE License Option	Produtes List ■ IE ● TP ● CB ● V850E/MA1 ● V850E/ME2 ● V850E2/ME3 ● V850E2/ME3-CB ● V850E2/ME3-CB ● V850E2/ME3-CB ● V850E2/ME3-CB ● V850E ● NB85E ● ■
Products Info: V850E2/ME3-CB License Info: License is not requ	ired.

A pull-down list of parameters (I/O port addresses or baud rates) corresponding to the specified connection method will appear in the I/F-2 box. Select an address and baud rate set for the board. The baud rate must be within the range supported by the serial driver in the personal computer.



4.6. SETTING LICENSE KEY

When "License is required" is displayed on the "license state" of "Check RTE2", a setup of a license is required in order to use the product.

Selection of a license name

Please click the arrow at the right end of the license name input column of a license dialog. Please choose the product which sets up a license.

License						X
License Name:	KIT-V85	0E2/ME	3-TP-H	-	ОК	
ID:	KIT-¥85 KIT-¥85	0E2/ME: 0E2/ME	3-TP 3-TP-H		Cancel	
Serial Number:			- [
License Key:						

The input in KIT-xxxx-xx

Please input a serial number and a license key.

License			x
License Name:	KIT-V850E2/ME3-TP	•	ОК
ID:			Cancel
Serial Number:	-		
License Key:			

The input in KIT-xxxx-xx-H

Please input ID and a license key.

License								×
Lice	ense Name:	KIT-V85	0E2/ME	3-TP-H		-	ОК	
	ID:	:		: [*		Cancel	
Seri	ial Number:			- [
Li	cense Key:							

Please click the "OK" button, when you input.



The license of RTE-xxxx-xx-H permits use by RTE-2000H-TP specified by ID. The number of ID is the last six figures of MAC ADDR of RTE-2000H-TP. MAC ADDR is put on the back of RTE-2000H-TP with the seal. It works only by RTE-2000H-TP with this same.

5. DEVICE DRIVERS

When the host interface is PCI, PC-Card (PCMCIA), or USB or when using the RTE-xxxx-PC series with PCI bus slots, install the driver specific to the interface in addition to RTE for WIN32.

This chapter explains how to install the host interface driver for each OS.

5.1. INSTALLING THE PC-CARD DRIVER IN THE WINDOWS 7 (32-bit) ENVIRONMENT

This section explains how to install the PC-Card driver under Windows 7 (32-bit).

- 5.1.1. INSTALLING THE PC-CARD DRIVER IN THE WINDOWS 7 (32-BIT) ENVIRONMENT
 - 1) Log in as a user with the administrator permission.

When logging in as a user without administrator permission, it becomes necessary to input a user name and password of a user with administrator permission during the installation procedure.

- 2) If RTE for WIN32 has not yet been installed, install the RTE for WIN32
- 3) Insert the PC-Card (PCMCIA) interface into the PC-Card socket, if it has not been done.
- 4) Upon activating the Device Manager, if the driver has not been installed, "KMC/MEC-ICE-IF 1.0" is displayed with an exclamation mark (!) under "Other devices" as below.

Open the Device Manager as follows:

Choose [Start menu]→[Control Panel]. Then click [Hardware and Sound] in the dialog box to be shown for clicking [Device Manager].





5) Select "KMC/MEC-ICE-IF_1.0" on the Device Manager and then [Update Driver Software...] from the [Action] menu.

6) The "Update Driver Software] dialog box below opens next. Click [Browse my computer for driver software].



7) The dialog box below opens next. Input the directory where RTE for WIN32 is installed into the edit box of [Search for driver software in this location:] to click the [Next] button.

G 🗓 Update Driver Software - KMC/MEC ICE-IF_1.0	× .
Browse for driver software on your computer	
Search for driver software in this location:	
Include subfolders	
 Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device. Next Cancel	



8) The "Windows Security" dialog box opens. Click [Install this driver software anyway].

 The following dialog box appears after a certain amount of time once the installation of driver software is started. Click the [Close] button.

	X
Update Driver Software - RTE PC-Card Interface	
Windows has successfully updated your driver software	
Windows has finished installing the driver software for this device:	
RTE PC-Card Interface	
Clo	se



The installation of the PC-CARD driver is now completed. The status can be checked by the Device Manager.

5.1.2. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted KMC/MEC-ICE-IF_1.0 or RTE PC-Card Interface from the Device Manager for some reason, KMC/MEC-ICE-IF_1.0 or RTE PC-Card Interface will no longer be displayed on the Device Manager.

In this case, open the Device Manager, and then select Scan for hardware changes from the Action menu to search through the plug and play devices. Alternatively, dismount the PC-Card from the socket, and reinsert it. Once the PC-Card has been detected, the subsequent steps are the same as those in Section 5.1.1 INSTALLING THE PC-CARD DRIVER IN THE WINDOWS 7 (32-bit) ENVIRONMENT.

5.2. INSTALLING THE PCI DRIVER IN THE WINDOWS 7 (32-bit) ENVIRONMENT

This section explains how to install the PCI driver under Windows 7 (32-bit).

5.2.1. INSTALLING THE PCI DRIVER IN THE WINDOWS 7 (32-BIT) ENVIRONMENT

1) Log in as a user with the administrator permission.

When logging in as a user without administrator permission, it becomes necessary to input a user name and password of a user with administrator permission during the installation procedure.

- 2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.
- 3) Upon activating the Device Manager, if the driver has not been installed, "PCI Device" is displayed with an exclamation mark (!) under "Other devices" as below.

Open the Device Manager as follows: Choose [Start menu]→[Control Panel]. Then click [Hardware and

Sound] in the dialog box to be shown for clicking [Device Manager].

When the driver has been already installed, the Device Manager is the last to be displayed in this section.



4) Select "PCI Device" on the Device Manager and then [Update Driver Software...] from the [Action] menu.

5) The "Update Driver Software] dialog box below opens next. Click [Browse my computer for driver software].



6) The dialog box below opens next. Input the directory where RTE for WIN32 is installed into the edit box of [Search for driver software in this location:] to click the [Next] button.

	×
🚱 🧕 Update Driver Software - PCI Device	
Browse for driver software on your computer	
Search for driver software in this location:	
C:\rte4w32 Browse	
✓ Include subfolders	
Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.	
Next	Cancel



7) The "Windows Security" dialog box opens. Click [Install this driver software anyway].

8) The following dialog box appears after a certain amount of time once the installation of driver software is started. Click the [Close] button.





The installation of the PCI board driver is now completed. The status can be checked by the Device Manager.

5.2.2. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted PCI Device or RTE PCI Host Interface Card or RTE-PC Series from the Device Manager for some reason, PCI Device or RTE PCI Host Interface Card or RTE-PC Series will no longer be displayed on the Device Manager.

In this case, open the Device Manager, and then select Scan for hardware changes from the Action menu to search through the plug and play devices. Once the PCI card has been detected, the subsequent steps are the same as those in Section 5.2.1 INSTALLING THE PCI DRIVER IN THE WINDOWS 7 (32-bit) ENVIRONMENT.

5.3. INSTALLING THE USB DRIVER IN THE WINDOWS 7 ENVIRONMENT

This section explains how to install the USB driver under Windows 7. The same installation procedure is applied to Windows 7 32-bit version and 64-bit version.

When using the RTE-2000(H)-TP with the USB interface, it is not recommended to use USB 1.1. This is because USB 1.1 is not appropriate for efficient debugging since the debugger cannot respond quickly in USB 1.1.

5.3.1. INSTALLING THE USB DRIVER IN THE WINDOWS 7 ENVIRONMENT

1) Log in as a user with the administrator permission.

When logging in as a user without administrator permission, it becomes necessary to input a user name and password of a user with administrator permission during the installation procedure.

- 2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.
- 3) Connect RTE-2000(H)-TP to the host via USB, if it has been disconnected.
- 4) Upon activating the Device Manager, if the driver has not been installed, "RTE-2000-TP USB Interface" is displayed with an exclamation mark (!) under "Other devices" as below.

Open the Device Manager as follows:

Choose [Start menu] \rightarrow [Control Panel]. Then click [Hardware and Sound] in the dialog box to be shown for clicking [Device Manager].

When the driver has been already installed, the Device Manager is the last to be displayed in this section.



5) Select "RTE-2000-TP USB Interface" on the Device Manager and then [Update Driver Software...] from the [Action] menu.

6) The "Update Driver Software] dialog box below opens next. Click [Browse my computer for driver software].



7) The dialog box below opens next. Input the directory where RTE for WIN32 is installed into the edit box of [Search for driver software in this location:] to click the [Next] button.

	×
Update Driver Software - KTE-2000-TP USB Interface	
Browse for driver software on your computer	
Search for driver software in this location:	
C:\rte4w32 Browse	
Include subfolders	
Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.	
Next Can	icel

8) The "Windows Security" dialog box opens. Click the [Install] button.



 The following dialog box appears after a certain amount of time once the installation of driver software is started. Click the [Close] button.

🍚 👖 Up	date Driver Software - RTE-2000-TP USB Driver	
Wind	ows has successfully updated your driver software	
Window	ws has finished installing the driver software for this device:	
17	RTE-2000-TP USB Driver	
		Close

The installation of the USB driver is now completed. The status can be checked by the Device Manager.



5.3.2. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted the USB driver from the Device Manager for some reason, the USB device indicating the RTE-2000(H)-TP will no longer be displayed on the Device Manager.

In this case, select Scan for hardware changes from the Action menu of the Device Manager or disconnect the USB cable from the RTE-2000(H)-TP and then connect it again after a few moments. The USB device will be displayed on the Device Manager. The subsequent steps are the same as those in Section "5.3.1 INSTALLING THE USB DRIVER IN THE WINDOWS 7 ENVIRONMENT".

5.4. INSTALLING THE PC-CARD DRIVER IN THE WINDOWS VISTA ENVIRONMENT

This section explains how to install the PC-Card driver under Windows Vista.

5.4.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME

When you insert the PC-Card interface into the PC-Card socket for the first time, follow the steps below to install the standard driver.

1) Log in as a user with the administrator permission.

When logging in as a user without administrator permission, it becomes necessary to input a user name and password of a user with administrator permission during the installation procedure.

 If RTE for WIN32 has not yet been installed, install the RTE for WIN32 before inserting the PC-Card interface.

RTE for WIN32 may be installed when the following Found New Hardware dialog box opens.

 Insert the PC-Card (PCMCIA) interface into the PC-Card socket. After a few moments, the Found New Hardware dialog box appears. Click Locate and install driver software (recommended).

When [Ask me again later] or [Don't show this message again for this device] selected, follow the procedure instructed in "5.4.2 INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED".



When the User Account Control (UAC) function is active and the above selection is made, the User Account Control dialog box appears. Click the [Continue] button.



 The dialog box below opens after a driver software is searched for a certain amount of time. Click [I don't have the disc. Show me other options].

1	nsert the disc that came with your KMC/MEC ICE-IF_1.0	
l í s	you have the disc that came with your device, insert it now. Windows will automatically earch the disc for driver software.	
	✤ I don't have the disc. Show me other options.	

5) The dialog box below opens next. Click [Browse my computer for driver software (advanced)].

<u></u>	Found New Hardware - KMC/MEC ICE-IF_1.0	
١	Vindows couldn't find driver software for your device	
	Check for a solution Windows will check to see if there are steps you can take to get your device working.	
	Browse my computer for driver software (advanced) Locate and install driver software manually.	
		Cancel

6) The dialog box below opens next. Input the directory where RTE for WIN32 is installed into the edit box of [Search for driver software in this location:] to click the [Next] button.

	er sonware on your comput	er	
Search for driver so	tware in this location:		
C:\rte4w32		▼ Browse	
📝 Include subfolde	rs		

7) The "Windows Security" dialog box opens. Click [Install this driver software anyway].

Windows can't verify the publisher of this driver software	
	Don't install this driver software You should check your manufacturer's website for updated driver software for your device.
	Install this driver software anyway Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.

8) The following dialog box appears after a certain amount of time once the installation of driver software is started. Click the [Close] button.

Found New Hardware - RTE PC-Card Interface
The software for this device has been successfully installed
Windows has finished installing the driver software for this device:
RTE PC-Card Interface
Close



You have now finished detecting the PC-Card and installing the driver. You can check the system status by the Device Manager.



Open the Device Manager as follows: Choose [Start Menu] → [Control Panel] and [Classic view] from the left pane to double-click [Device Manager].

5.4.2. INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED

If the driver was not installed because, for example, the correct procedure was not followed, install it by applying the following procedure.

If the driver has not been installed, an exclamation mark (!) is displayed beside KMC/MEC-ICE-IF_1.0 in the Device Manager list.



Ope Cho

Open the Device Manager as follows:

Choose [Start Menu] \rightarrow [Control Panel] and [Classic view] from the left pane to double-click [Device Manager].

1) Log in as a user with the administrator permission.



- 2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.
- Select KMC/MEC-ICE-IF_1.0 in the Device Manager list, and then select Update Driver Software... from the Action menu.
- The "Update Driver Software" dialog box is displayed. Click [Browse my computer for driver software].

	X
Update Driver Software - KMC/MEC ICE-IF_1.0	
How do you want to search for driver software?	
Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device.	
Browse my computer for driver software Locate and install driver software manually.	
	Cancel

5) The dialog box below opens next. Input the directory where RTE for WIN32 is installed into the edit box of [Search for driver software in this location:] to click the [Next] button.

Browse for driver	software on your computer
Search for driver softwa	are in this location:
C:\rte4w32	▼ Browse
Include subfolders	
Let me pick f This list will show software in the s	rom a list of device drivers on my computer installed driver software compatible with the device, and all driver ame category as the device.

6) For the subsequent steps, see step 7) of Section 5.4.1 WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME.

5.4.3. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted KMC/MEC-ICE-IF_1.0 or RTE PC-Card Interface from the Device Manager for some reason, KMC/MEC-ICE-IF_1.0 or RTE PC-Card Interface will no longer be displayed on the Device Manager.

In this case, open the Device Manager, and then select Scan for hardware changes from the Action menu to search through the plug and play devices. Alternatively, dismount the PC-Card from the socket, and reinsert it. Once the PC-Card has been detected, the subsequent steps are the same as those in Section 5.4.1 WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME.
5.5. INSTALLING THE PCI DRIVER IN THE WINDOWS VISTA

This section explains how to install the PCI driver under Windows Vista

5.5.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME

The following procedure should be applied when Windows Vista is activated after the RTE series PCI board is inserted into the PCI bus slot for the first time.

1) Log in as a user with the administrator permission.

When logging in as a user without administrator permission, it becomes necessary to input a user name and password of a user with administrator permission during the installation procedure.

2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.

RTE for WIN32 may be installed when the following Found New Hardware dialog box opens.

 After log in, the Found New Hardware dialog box appears. Click Locate and install driver software (recommended).

When [Ask me again later] or [Don't show this message again for this device] selected, follow the procedure instructed in "5.5.2 INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED".



 \checkmark

When the User Account Control (UAC) function is active and the above selection is made, the User Account Control dialog box appears. Click the [Continue] button.



 The dialog box below opens after a driver software is searched for a certain amount of time. Click [I don't have the disc. Show me other options].

1	nsert the disc that came with your PCI Device	
1	f you have the disc that came with your device, insert it now. Windows will automatically earch the disc for driver software.	
	✤ I don't have the disc. Show me other options.	

5) The dialog box below opens next. Click [Browse my computer for driver software (advanced)].

 I 	Found New Hardware - PCI Device	X
w	findows couldn't find driver software for your device	
,	Check for a solution Windows will check to see if there are steps you can take to get your device working.	
	Browse my computer for driver software (advanced) Locate and install driver software manually.	
		Cancel

6) The dialog box below opens next. Input the directory where RTE for WIN32 is installed into the edit box of [Search for driver software in this location:] to click the [Next] button.

	iver software on your	computer		
Search for driver so	oftware in this location:			
C:\rte4w32			Browse	
📝 Include subfold	lers			

7) The "Windows Security" dialog box opens. Click [Install this driver software anyway].



 The following dialog box appears after a certain amount of time once the installation of driver software is started. Click the [Close] button.





You have now finished detecting the PCI board and installing the driver. You can check the system status by the Device Manager.

V

Open the Device Manager as follows: Choose [Start Menu] → [Control Panel] and [Classic view] from the left pane to double-click [Device Manager].

5.5.2. INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED

If the PCI card interface is already installed in the PCI bus slot before the installation of Windows Vista, or if the driver was not installed, for example, because the wrong procedure was applied, install the driver according to the following procedure.

If the driver has not been installed, an exclamation mark (!) is displayed beside PCI Device in the Device Manager list.





Open the Device Manager as follows:

Choose [Start Menu] \rightarrow [Control Panel] and [Classic view] from the left pane to double-click [Device Manager].

1) Log in as a user with the administrator permission.



- 2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.
- Select PCI Device in the Device Manager list, and then select Update Driver Software... from the Action menu.
- The "Update Driver Software" dialog box opens next. Click [Browse my computer for driver software].



5) The dialog box below opens next. Input the directory where RTE for WIN32 is installed into the edit box of [Search for driver software in this location:] to click the [Next] button.

BLO	wse for driver software on your computer
Searc	h for driver software in this location:
C:\r	te4w32 ▼ Browse
🔽 In	clude subfolders
•	Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.

6) For the subsequent steps, see step 7) of Section 5.5.1 WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.

5.5.3. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted PCI Device or RTE PCI Host Interface Card or RTE-PC Series from the Device Manager for some reason, PCI Device or RTE PCI Host Interface Card or RTE-PC Series will no longer be displayed on the Device Manager.

In this case, open the Device Manager, and then select Scan for hardware changes from the Action menu to search through the plug and play devices. Once the PCI card has been detected, the subsequent steps are the same as those in Section 5.5.1 WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.

5.6. INSTALLING THE USB DRIVER IN THE WINDOWS VISTA ENVIRONMENT

This section explains how to install the USB driver under Windows Vista.



5.6.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME

Upon initially connecting RTE-2000(H)-TP to the host via USB, refer to "5.5.1 WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME" because the driver installation procedure is the same as the one for PCI board except the "Windows Security" dialog box to be shown.

As the following "Windows Security" dialog box appears. Click the [Install] button.



When the USB driver is successfully installed, the Device Manager screen as shown below appears.





Open the Device Manager as follows:

Choose [Start Menu] \rightarrow [Control Panel] and [Classic view] from the left pane to double-click [Device Manager].

5.6.2. INSTALLING THE DRIVER THAT HAS NOT YET BEEN INSTALLED

If you cancel the installation of the USB driver before it completes, the USB driver is not installed. At this time, the Device Manager screen as shown below appears.



In this case, select Scan for hardware changes from the Action menu of the Device Manager or disconnect the USB cable from the RTE-2000(H)-TP and then connect it again after a few moments. The Found New Hardware starts. The subsequent steps are the same as those in Section 5.6.1 WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME.

5.6.3. WHEN THE DRIVER WAS DELETED FROM THE DEVICE MANAGER

If you have deleted the USB driver from the Device Manager for some reason, the USB device indicating the RTE-2000(H)-TP will no longer be displayed on the Device Manager.

In this case, select Scan for hardware changes from the Action menu of the Device Manager or disconnect the USB cable from the RTE-2000(H)-TP and then connect it again after a few moments. The Found New Hardware starts. The subsequent steps are the same as those in Section 5.6.1 WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME.

5.7. INSTALLING THE PC-CARD DRIVER IN THE WINDOWS XP ENVIRONMENT

This section explains how to install the PC-Card driver under Windows XP.



5.7.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME

When you insert the PC-Card interface into the PC-Card socket for the first time, follow the steps below to install the standard driver.

1) Log in as a user with the administrator permission.

In Windows XP Home Edition, the user whose account type is computer administrator has administrator permission.

 If RTE for WIN32 has not yet been installed, install the RTE for WIN32 before inserting the PC-Card interface.



3) Insert the PC-Card (PCMCIA) interface into the PC-Card socket. After a few moments, the Found New Hardware Wizard dialog box appears. Select Install from a list or specific location (Advanced), then click the Next> button.



4) In the dialog box shown below, select only Include this location in the search. And input the installation destination directory for RTE for WIN32 as the directory. Or, click the Browse button, specify the installation destination directory for RTE for WIN32, then click the Next> button.

Please cho	ose your search and installation options.
💿 Searc	h for the best driver in these locations.
Use th paths	ne check boxes below to limit or expand the default search, which includes local and removable media. The best driver found will be installed.
	Search removable media (floppy, CD-ROM)
V	Include this location in the search:
	C:\rte4w32 Browse
🔿 Don't	search. I will choose the driver to install.
Choo: the dr	se this option to select the device driver from a list. Windows does not guarantee th iver you choose will be the best match for your hardware.
	,
	Z Back Next Cancel

5) The driver file is copied. Then, the dialog box shown below appears. Click the Finish button.



You have now finished detecting the PC-Card and installing the driver. You can check the system status by the Device Manager.



Oper

Open the Device Manager as follows:

Click Start → right click My Computer → click Properties. In System Properties, click the Hardware tab, then click the Device Manager button.

5.7.2. INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED

If the driver was not installed because, for example, the correct procedure was not followed, install it by applying the following procedure.

If the driver has not been installed, an exclamation mark (!) is displayed beside KMC/MEC-ICE-IF 1.0 in the Device Manager list.



Open the Device Manager as follows:

Click Start \rightarrow right click My Computer \rightarrow click Properties. In System Properties, click the Hardware tab, then click the Device Manager button.

1) Log in as a user with the administrator permission.

In Windows XP Home Edition, the user whose account type is computer administrator has administrator permission.

- 2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.
- Select KMC/MEC-ICE-IF 1.0 in the Device Manager list, and then select Properties from the Action menu.

 The KMC/MEC-ICE-IF_1.0 Properties dialog box appears. Click the Reinstall Driver button.



 The Hardware Update Wizard dialog box appears. For the subsequent steps, see Section 5.7.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME.

Hardware Update Wizard	
	Welcome to the Hardware Update Wizard
	This wizard helps you install software for:
	KMC/MEC ICE-IF_1.0
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	 Install the software automatically (Recommended) Install from a list or specific location (Advanced)
	Click Next to continue.
	< Back Next > Cancel

5.7.3. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted KMC/MEC-ICE-IF 1.0 or RTE PC-Card Interface from the Device Manager for some reason, KMC/MEC-ICE-IF 1.0 or RTE PC-Card Interface will no longer be displayed on the Device Manager.

In this case, open the Device Manager, and then select Scan for hardware changes from the Action menu to search through the plug and play devices. Alternatively, dismount the PC-Card from the socket, and reinsert it. Once the PC-Card has been detected, the subsequent steps are the same as those in Section 5.7.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME.

Open the Device Manager as follows:

Click Start \rightarrow right click My Computer \rightarrow click Properties. In System Properties, click the Hardware tab, then click the Device Manager button.

5.7.4. KMC PC-CARD DRIVER

This section explains the procedure for replacing the PC-Card driver for RTE for WIN32 with the PC-Card made by Kyoto Micro Computer Co., Ltd. (hereafter referred to as "KMC"), that supports PARTNER-ETII/J/N64.

RTE for WIN32 runs normally even when the KMC driver has been installed. However, KMC PARTNER-ETII/J/N64 does not run unless the KMC driver is installed. <u>To use the RTE for</u> <u>WIN32 and PARTNER-ETII/J/N64 on the same computer with the PC-Card interface, therefore, the KMC PC-Card driver must be installed.</u>

The following explains the procedure for replacing the PC-Card driver for RTE for WIN32 with the KMC driver.

If the PC-Card driver for RTE for WIN32 is installed, the RTE PC-Card Interface is displayed when the Device Manager is started.



Open the Device Manager as follows:

Click Start \rightarrow right click My Computer \rightarrow click Properties. In System Properties, click the Hardware tab, then click the Device Manager button.

1) Log in as a user with the administrator permission.

In Windows XP Home Edition, the user whose account type is computer administrator has administrator permission.

- 2) Execute the installer for the KMC PC-Card driver, and then extract the driver file.
- Select the RTE PC-Card Interface from the Device Manager list, and then select Properties from the Action menu.

4) The RTE PC-Card Interface Properties dialog box appears. Select the Driver tab, then click the Update Driver button.

ieneral Driver Resources	ed
RTE PC-Card Interface Driver Provider: Midas lab.Inc. Driver Date: 4/13/2000 Driver Version: 1.1.0.0 Digital Signer: Not digitally sign Driver Details To view details abs	ed
Driver Provider: Midas lab.Inc. Driver Date: 4/13/2000 Driver Version: 1.1.0.0 Digital Signer: Not digitally sign Driver Details To view details abc	ed
Driver Date: 4/13/2000 Driver Version: 1.1.0.0 Digital Signer: Not digitally sign Driver Details To view details abo	ed
Driver Version: 1.1.0.0 Digital Signer: Not digitally sign Driver Details To view details abc	ed
Digital Signer: Not digitally sign Driver Details To view details abo	ed
Driver Details To view details abo	
	ut the driver files.
Update Driver To update the drive	r for this device.
Roll Back Driver If the device fails a back to the previou	ter updating the driver, roll sly installed driver.
Uninstall To uninstall the driv	er (Advanced).

5) The Hardware Update Wizard dialog box appears. Select Install from a list or specific location (Advanced), then click the Next> button.

Hardware Update Wizard		
	Welcome to the Hardware Update Wizard	
	This wizard helps you install software for:	
	RTE PC-Card Interface	
A.C.	If your hardware came with an installation CD or floppy disk, insert it now.	
	What do you want the wizard to do?	
	Install the software automatically (Recommended) Install from a list or specific location (Advanced)	
	Click Next to continue.	
	< Back Next > Cancel	

6) In the dialog box shown below, select "Don't search. I will choose the driver to install.", then click the Next> button.

•	ise choose your search and installation options.
,	Search for the best driver in these locations.
	Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
	Search removable media (floppy, CD-ROM)
	Include this location in the search:
	C:\rte4w32 Browse
	Don't search, I will choose the driver to install.
	Choose this option to select the device driver from a list. Windows does not guarantee the driver you choose will be the best match for your hardware.

7) In the dialog box shown below, click the Hard Disk button.



8) In the dialog box shown below, input the directory in which the KMC PC-Card driver is to be extracted in the Copy manufacturer's files from text box. Or, click the Browse button, specify the directory in which the KMC PC-Card driver is to be extracted, and then click the OK button.

Install F	rom Disk	
-	Inset the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	
	C:\Program Files\KMC\W2KDRV	Browse

9) In the dialog box shown below, select the KMC driver and then click the Next> button.

Hardware Update	Wizard		
Select the devi	ce driver you want to i	nstall for this hard w are.	
Select the r have a disk	nanufacturer and model of that contains the driver you hardware	your hardware device and th u want to install, click Have [en click Next. If you Disk.
Model KMC PARTNER	R-ET2 PC-CARD I/F		
This driver is <u>Tell me why driv</u>	not digitally signed! er signing is important		Have Disk
		< Back Next	> Cancel

10) In the dialog box shown below, click the Yes button.

ĺ	Update	Driver Warning
	1	Installing this device driver is not recommended because Windows cannot verify that it is compatible with your hardware. If the driver is not compatible, your hardware will not work correctly and your computer might become unstable or stop working completely. Do you want to continue installing this driver?
		Yes No



11) The driver file is copied. Then, the dialog box shown below appears. Click the Finish button.

You have now finished detecting the board and installing the driver. You can check the system status by the Device Manager.



Open the Device Manager as follows:

Click Start \rightarrow right click My Computer \rightarrow click Properties. In System Properties, click the Hardware tab, then click the Device Manager button.

5.8. INSTALLING THE PCI DRIVER IN THE WINDOWS XP

This section explains how to install the PCI driver under Windows XP



5.8.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME

The following procedure should be applied when Windows XP is activated after the RTE series PCI board is inserted into the PCI bus slot for the first time.

1) Log in as a user with the administrator permission.

In Windows XP Home Edition, the user whose account type is computer administrator has administrator permission.

2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.

RTE for WIN32 may be installed when the following Found New Hardware Wizard dialog box opens.

 After log in, the Found New Hardware Wizard dialog box appears. Select Install from a list or specific location (Advanced), then click the Next> button.

ound New Hardware Wizard		
	Welcome to the Found New Hardware Wizard	
	This wizard helps you install software for:	
	PCI Device	
	If your hardware came with an installation CD or floppy disk, insert it now.	
	What do you want the wizard to do?	
	 Install the software automatically (Recommended) Install from a list or specific location (Advanced) 	
	Click Next to continue.	
	< Back Next > Cancel	

4) In the dialog box shown below, select only Include this location in the search. And input the installation destination directory for RTE for WIN32 as the directory. Or, click the Browse button, specify the installation destination directory for RTE for WIN32, then click the Next> button.

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
✓ Include this location in the search:
C:\RTE4W/32 Browse
O Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
<back next=""> Cancel</back>



5) The driver file is copied. Then, the dialog box shown below appears. Click the Finish button.

You have now finished detecting the board and installing the driver. You can check the system status by the Device Manager.





Open the Device Manager as follows:

Click Start \rightarrow right click My Computer \rightarrow click Properties. In System Properties, click the Hardware tab, then click the Device Manager button.

5.8.2. INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED

If the PCI card interface is already installed in the PCI bus slot before the installation of Windows XP, or if the driver was not installed, for example, because the wrong procedure was applied, install the driver according to the following procedure.

If the driver has not been installed, an exclamation mark (!) is displayed beside PCI Device in the Device Manager list.



Open the Device Manager as follows:

Click Start \rightarrow right click My Computer \rightarrow click Properties. In System Properties, click the Hardware tab, then click the Device Manager button.

1) Log in as a user with the administrator permission.



- 2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.
- Select PCI Device in the Device Manager list, and then select Properties from the Action menu.
- 4) The PCI Device Properties dialog box appears. Click the Reinstall Driver button.

PCI Devi	ce Properties	? 🛛
General	Driver Resourc	es
\diamond	PCI Device	
	Device type:	Other devices
	Manufacturer:	Unknown
	Location:	PCI Slot 4 (PCI bus 0, device 19, function 0)
Devic	e status	
Tor	sinstall the drivers fo	nt this device, click Reinstall Driver.
Device	usage:	
Use th	is device (enable)	~
		OK Cancel

5) The Hardware Update Wizard dialog box appears. For the subsequent steps, see Section 5.8.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.

Hardware Update Wizard	
	Welcome to the Hardware Update Wizard
	This wizard helps you install software for:
	PCI Device
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	 Install the software automatically (Recommended) Install from a list or specific location (Advanced)
	Click Next to continue.
	Cancel

5.8.3. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted PCI Device or RTE PCI Host Interface Card or RTE-PC Series from the Device Manager for some reason, PCI Device or RTE PCI Host Interface Card or RTE-PC Series will no longer be displayed on the Device Manager.

In this case, open the Device Manager, and then select Scan for hardware changes from the Action menu to search through the plug and play devices. Once the PCI card has been detected, the subsequent steps are the same as those in Section 5.8.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.



Click Start \rightarrow right click My Computer \rightarrow click Properties. In System Properties, click the Hardware tab, then click the Device Manager button.

5.9. INSTALLING THE USB DRIVER IN THE WINDOWS XP ENVIRONMENT

This section explains how to install the USB driver under Windows XP.



5.9.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME

When the RTE-2000(H)-TP is connected to the host through USB for the first time, install the driver the same way as with a PCI board. See Section 5.8.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.

When the USB driver is successfully installed, the Device Manager screen as shown below appears.



Open the Device Manager as follows:

Click Start \rightarrow right click My Computer \rightarrow click Properties. In System Properties, click the Hardware tab, then click the Device Manager button.

5.9.2. INSTALLING THE DRIVER THAT HAS NOT YET BEEN INSTALLED

If you cancel the installation of the USB driver before it completes, the USB driver is not installed. At this time, the Device Manager screen as shown below appears.



In this case, select Scan for hardware changes from the Action menu of the Device Manager or disconnect the USB cable from the RTE-2000(H)-TP and then connect it again after a few moments. The Found New Hardware Wizard starts. The subsequent steps are the same as those in Section 5.9.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME.

5.9.3. WHEN THE DRIVER WAS DELETED FROM THE DEVICE MANAGER

If you have deleted the USB driver from the Device Manager for some reason, the USB device indicating the RTE-2000(H)-TP will no longer be displayed on the Device Manager.

In this case, select Scan for hardware changes from the Action menu of the Device Manager or disconnect the USB cable from the RTE-2000(H)-TP and then connect it again after a few moments. The Found New Hardware Wizard starts. The subsequent steps are the same as those in Section 5.9.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME.

5.10. INSTALLING THE PC-CARD DRIVER IN THE WINDOWS 98 ENVIRONMENT

This section explains how to install the PC-Card driver under Windows 98.

The PC-Card interface does not require a special driver, the standard driver is installed.

5.10.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME

When you insert the PC-Card interface into the PC-Card socket for the first time, follow the steps below to install the standard driver.

 Insert the PC-Card (PCMCIA) interface into the PC-Card socket. Then, a dialog box indicating that new hardware has been detected will appear. After a few moments, the Add New Hardware Wizard dialog box appears. Click the Next> button.

Add New Hardware Wiz	zard
	This wizard searches for new drivers for:
	KMC/MEC-ICE-IF 1.0
	A device driver is a software program that makes a hardware device work.
🎭 🚡	
	< Back Next > Cancel

If, upon inserting the PC-Card the New Hardware Found dialog does not appear or if, upon installing the card service the personal computer buzzes "BOO!", the PC-Card service may not be operating normally. See Section 5.24. WHEN THE PC CARD CANNOT BE RECOGNIZED (WINDOWS 95/98) and ensure that the card service is operating normally.

 In the dialog box shown below, select Display a list of all the drivers in a specific location, so you can select the driver you want, then click the Next> button.

Add New Hardware Wi	zard
	What do you want Windows to do? Search for the best driver for your device. (Recommended). Display a list of all the drivers in a specific location, so you can select the driver you want.
	< <u>B</u> ack Next > Cancel



3) In the dialog box shown below, select Other devices, then click the Next> button.

4) In the dialog box shown below, select Unsupported Device, then click the Next> button.

Add New	w Hardware Wizard
}	Select the manufacturer and model of your hardware device. If you have a disk that contains the updated driver, click Have Disk. To install the updated driver, click Finish.
Models: Unsupp	ported Device
,	Have Disk
	< <u>B</u> ack Next > Cancel

5) The Update Driver Warning dialog box appears. Click the Yes button.



6) In the dialog box shown below, click the Next> button.

	Windows driver file search for the device:
	Unsupported Device
	Windows is now ready to install the selected driver for this device. Click Back to select a different driver, or click Next to continue.
😵 💝	Location of driver:
	C:\WINDOWS\INF\MSDET.INF
Ť	
	< <u>B</u> ack Next > Cancel



The path actually displayed below Location of driver may differ from that shown above.



7) In the dialog box shown below, click the Finish button.

You have now finished detecting the board and installing the driver. You can check the system status by clicking the Device Manager tab in the System Properties dialog box displayed by clicking Start, Settings, Control Panel, then System.



5.10.2. INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED

If the driver was not installed because, for example, the correct procedure was not followed, install it by applying the following procedure.

After confirming that the driver has not been installed, click Start, Settings, then Control Panel. Then, click System. After the System Properties dialog box appears, select the Device Manager tab. On this tab, select Other devices. An exclamation mark (!) is displayed against KMC/MEC-ICE-IF 1.0 as shown below.

System Properties ?	x
General Device Manager Hardware Profiles Performance	
• View devices by type C View devices by connection	
Computer Compu	
Properties Refresh Remove Print	
OK Cancel	

- In the dialog box shown above, select KMC/MEC-ICE-IF 1.0, then click the Properties button.
- 2) The KMC/MEC-ICE-IF 1.0 Properties dialog box appears. Click the Reinstall Driver button, or select the Driver tab, then click the Update Driver button.



 The Update Device Driver Wizard dialog box appears. For the subsequent steps, see Section 5.10.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME.

Update Device Driver Wizard	
	This wizard searches for updated drivers for: KMC/MEC-ICE-IF 1.0 A device driver is a software program that makes a hardware device work. Upgrading to a newer version of a device driver may improve the performance of your hardware device or add functionality.
	< Back Next > Cancel

5.10.3. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted KMC/MEC-ICE-IF 1.0 or Unsupported Device from the Device Manager for some reason, Other devices will no longer be displayed on the Device Manager tab of the System Properties dialog box. Or, Other devices will remain displayed but it will not contain KMC/MEC-ICE-IF 1.0 or Unsupported Device any longer.

In this case, click Start, Settings, Control Panel, then activate Add New Hardware to search through the plug and play devices. Alternatively, dismount the PC-Card from the socket, and reinsert it. Once the PC-Card has been detected, the subsequent steps are the same as those in Section 5.10.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME.

5.11. INSTALLING THE PCI DRIVER IN THE WINDOWS 98 ENVIRONMENT

This section explains how to install the PCI driver under Windows 98.

Under the Windows 98 environment, the RTE series operate normally, regardless of whether a PCI driver is or a standard driver is attached.

5.11.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME

The following procedure should be applied when Windows 98 is activated after the RTE series PCI board is inserted into the PCI bus slot for the first time.

 When Windows 98 is activated, a dialog box indicating that new hardware has been detected will appear. After a few moments, the Add New Hardware Wizard dialog box appears. Click the Next> button.

Add New Hardware Wizard	
	This wizard searches for new drivers for:
	PLI Lard A device driver is a software program that makes a hardware device work.
*	
	< Back Next Cancel

2) In the dialog box shown below, select Display a list of all the drivers in a specific location, so you can select the driver you want, and click the Next> button.

Add New Hardware Wizard	
	What do you want Windows to do? C Search for the best driver for your device. (Recommended). C Display a list of all the drivers in a specific location, so you can select the driver you want.
	< <u>B</u> ack Next> Cancel

3) In the dialog box shown below, select Other devices, then click the Next> button.

Add New Hardware Wiz	ard
	Select the type of device from the list below, then click Next.
	Monitors
	Multi-function adapters
	Network adapters
- 💫 < -	Other detected devices
	Other devices
	PCMCIA socket
	Ports (COM & LPT)
\sim	
	Sound video and game controllers
	(Deals News) Convert
	<u>Cancer</u>



- 5) The Update Driver Warning dialog box appears. Click the Yes button.

Updat	te D	Priver Warning 🛛 🕅 🕅
<u>.</u>	7	The driver that you have chosen was not written specifically for the selected hardware and may not work correctly. Installing this driver is not recommended. Are you sure you want to use this driver?
		<u>Y</u> es

6) In the dialog box shown below, click the Next> button.

Add New Hardware Wiz	zard
	Windows driver file search for the device:
	Unsupported Device
	Windows is now ready to install the selected driver for this device. Click Back to select a different driver, or click Next to continue.
🕉 🌫	Location of driver:
<u></u>	C:\WINDOWS\INF\MSDET.INF
\sim	
	< Back Next> Cancel

- The path actually displayed below Location of driver may differ from that shown above.
- 7) In the dialog box shown below, click the Finish button.



This completes detection of the board and installation of the driver. You can check the system status by clicking the Device Manager tab in the System Properties dialog box displayed by clicking Start, Settings, Control Panel, then System.

⊙ Vie	w devices by <u>t</u> ype	O View devi	ces by <u>c</u> onnec	tion
0	omputer			
	CDROM			
	Disk drives			
E	Display adapters			
	Floppy disk contr	ollers		
모르	Hard disk control	lers		
	keyboard			
I I I I I I I I I I I I I I I I I I I	Monitors			
EÇ	Mouse			
	Network adapter	5		
	Other devices			
	Unsupported	Device		
÷	PCMCIA socket			
l ≞~≥	Ports (CUM & LP	IJ		
	System devices			
⊕-€₹	Universal serial b	us controller		
<u> </u>				
Pro	perties R	e <u>f</u> resh R <u>e</u>	move	Pri <u>n</u> t

5.11.2. INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED

If the PCI card interface is already installed in the PCI bus slot before the installation of Windows 98, or if the driver was not installed, for example, because the wrong procedure was applied, install the driver according to the following procedure.

After confirming that the driver has not yet been installed, click Start, Settings, then Control Panel. Then, click System. After the System Properties dialog box appears, select the Device Manager tab. On this tab, select Other devices. An exclamation mark (!) is displayed against PCI Card, as shown below.

General Device Manager Hardware Profiles Performance • View devices by type • View devices by connection • Computer • Computer • View devices by connection • Computer • Computer • View devices by connection • Computer • Computer • View devices by connection • Disk drives • Display adapters • Pippy disk controllers • • Flooppy disk controllers • Other devices • Monitors • • • Mouse • Other devices • Ports (COM & LPT) • • • • Ports (COM & LPT) • System devices • Universal serial bus controller Properties • Refresh Remove Print	iystem Pi	roperties						? ×
View devices by type Computer Computer Disk drives Disk drives Disk drives Disk drives Hard disk controllers Hard disk controllers Hard disk controllers Monitors Monitors Newse Potter General Potts (COM & LPT) System devices Potts (COM & LPT) System devices Diviersal serial bus controller	General	Device M	anager Har	dware Prol	iles I	Performar	nce	
Computer Com	• Vie	w devices l	oy <u>t</u> ype	O View	device	s by <u>c</u> onr	nection	
CDROM Disk drives Display adapters Display adapters Display idex controllers Hard disk controllers Monitors Monitors Monitors Mouse Pimp Network adapters Potor (DDN & LPT) Dist (DDN & LPT) System devices Universal serial bus controller Properties Refresh Remove Print Close Cancel	📃 C	omputer						
	ti t	CDROM						
Bosplay adapters Floppy disk controllers Floppy disk controllers Keyboard Monitors M	÷	Disk drive	es					
Poppy disk controllers Hard disk controllers Hard disk controllers Monitors Mouse Mouse Mouse Pomore devices Ports (COM & LPT) System devices Vriversal serial bus controller Properties Refresh Remove Print Close Cancel	÷	🛛 Display a	dapters					
Had disk controllers Keyboard Monitors Mouse Network adapters Point Card Point Cond Point (Cond Point (Cond Point (Cond Properties Refresh Remove Print Close Cencel	÷	👌 Floppy di:	sk controllers					
• Construction Monitors • Mouse • Network adapters • Network adapters • Network adapters • Network adapters • Other devices • Other devices • Other devices • Potts (COM & LPT) • System devices • Other devices • Other devices • Other devices	ti de la composition de la com	👌 Hard disk	controllers					
Monitors Mouse Mouse Network adapters Subter devices Pots (COM & LPT) System devices Vinversal serial bus controller Properties Refresh Remove Print Close Cencel	Ð	& Keyboard						
Image: System devices Image: System devices <td< th=""><th>÷</th><th>Monitors 🖉</th><th></th><th></th><th></th><th></th><th></th><th></th></td<>	÷	Monitors 🖉						
Petwork adapters Other devices POMCIA socket Pots (COM & LPT) System devices Vinversal serial bus controller Properties Refresh Remove Print Close Carroel	⊡…∑) Mouse						
Other devices PCMCIA socket Pots (COM & LPT) System devices Universal serial bus controller Properties Refresh Remove Print Close Cancel	÷	Network	adapters					
POCTOR POCTA	· · · · · ·	Cther dev	rices					
POMCIA socket Ports (COM & LPT) System devices Universal serial bus controller Properties Refresh Remove Print Close Carneel			ard					
Ports (CUM & LP1) System devices Universal serial bus controller Properties Refresh Remove Print Close Cancel	÷		socket					
System devices Universal serial bus controller Properties Refresh Remove Print	1 ± 2	Ports (CU	M & LPTJ					
Properties Refresh Remove Print Close Cencel		System d	evices					
Properties Refresh Remove Print		Universal	serial bus co	ntroller				
	Pro	operties	Befrest		Bem	we l	Print	
Close Cancel	- 12			·				·
					Г	Close		Cancel

- 1) In the dialog box shown above, select PCI Card, then click the Properties button.
- 2) The PCI Card Properties dialog box appears. Click the Reinstall Driver button, or select the Driver tab then click the Update Driver button on this tab.

PCI Card Properties	? ×
General Driver Resources	
PCI Card	
Device type: Other devices	
Manufacturer: None specified.	
Hardware version: 001	
The drivers for this device are not installed. (Lode 28.). For reinstall the drivers for this device, click Reinstall Driver	
Reinstall Driver	
Device usage	
Disable in this hardware profile	
Exists in all hardware profiles	
OK Car	icel

3) The Update Device Driver Wizard dialog box appears. For the subsequent steps, see the corresponding description in Section 5.11.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.

Update Device Driver W	/izard
	This wizard searches for updated drivers for: PCI Card A device driver is a software program that makes a hardware device work. Upgrading to a newer version of a device driver may improve the performance of your hardware device or add functionality.
	< Back Next > Cancel

5.11.3. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted PCI Card or Unsupported Device from the Device Manager for some reason, Other devices will no longer be displayed on the Device Manager tab of the System Properties dialog box. Or, Other devices will remain displayed but it does not contain PCI Card or Unsupported Device any longer.

In this case, click Start, Settings, Control Panel, then activate Add New Hardware to search through the plug and play devices. Once the PCI card is detected, the subsequent steps are the same as those in Section 5.11.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.

5.12. INSTALLING THE USB DRIVER IN THE WINDOWS 98 SECOND EDITION (SE) ENVIRONMENT

This section explains how to install the USB driver under Windows 98 SE.

The USB interface does not support Windows 98, which is older th Windows 98 SE.	an
When using the RTE-2000(H)-TP with the USB interface, it is r recommended to use USB 1.1. This is because USB 1.1 is r appropriate for efficient debugging since the debugger cannot respo quickly in USB 1.1.	ot ot nd

5.12.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME

When the RTE-2000(H)-TP is connected to the host through USB for the first time, install the driver as described below.

1) If you have not yet installed RTE for WIN32, install it before connecting the RTE-2000(H)-TP to the host with a USB cable.



 Connect the RTE-2000(H)-TP to the host with a USB cable. After a few moments, the Add New Hardware Wizard dialog box appears. Click the Next> button.

Add New Hardware Wiz	ard
	This wizard searches for new drivers for: RTE-2000-TP USB Interface A device driver is a software program that makes a hardware device work.
	< <u>B</u> ack Next ≻ Cancel

 In the dialog box shown below, select Search for the best driver for your device and click the Next> button.



4) In the dialog box shown below, select only Specify a location, enter the RTE for WIN32 installation directory name as the directory name or specify the RTE for WIN32 installation directory by clicking the Browse button, and then click the Next> button.

Add New Hardware W	izard Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search. Eloppy disk drives CD-ROM drive
	Microsoft Windows Update Specify a location: C:\tte4w32 Browse
	< <u>B</u> ack Next > Cancel

5) In the dialog box shown below, click the Next> button.

Add New Hardware Wiz	ard
Add New Hardware Wiz	ard Windows driver file search for the device: RTE-2000-TP USB Driver Windows is now ready to install the best driver for this device. Elick Back to select a different driver, or click Next to continue
	Location of driver
	Location of driver.
	C:\RTE4W32\MIDASUSB.INF
×	
	< <u>B</u> ack Next> Cancel

6) When the dialog box shown below appears after the driver file is copied, click the Finish button.

Add New Hardware Wiz	zard
	Windows has finished installing the software that your new hardware device requires.
	< Back Finish Cancel

You have now finished installing the driver. When the USB driver is successfully installed, the Device Manager screen as shown below appears.



Open the Device Manager as follows:

Click Start \rightarrow Settings \rightarrow Control Panel. Double click the System icon. In System Properties, click the Device Manager tab.

5.12.2. INSTALLING THE DRIVER THAT HAS NOT YET BEEN INSTALLED

If you cancel the installation of the USB driver before it completes or have deleted the driver from the Device Manager, the USB driver for the RTE-2000(H)-TP will no longer be displayed in the Device Manager.

In this case, click the Refresh button of the Device Manager or disconnect the USB cable from the RTE-2000(H)-TP and then connect it again after a few moments. The Add New Hardware Wizard starts. The subsequent steps are the same as those in Section 5.12.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME.

5.12.3. WHEN THE DRIVER IS NOT CORRECTLY INSTALLED

When the USB driver is not correctly installed for some reason, the Device Manager screen as shown below appears.

System Properties ?			
General	Device Manager Hardware Profiles Performance		
		1	
View devices by type O View devices by connection			
📃 C	omputer	I	
	2 CDRUM	I	
	Disk drives	I	
	Elonnu disk controllers	I	
	Hard disk controllers	I	
⊡-€	keyboard	I	
÷	Monitors	I	
	Mouse	I	
Ē- Ē	Network adapters	I	
-*	Other devices	I	
	TO REPORT OF THE POSE Interface	I	
	PCMCIA SOCKEL	I	
	Sustem devices	I	
. ∏ -₹	Universal Serial Bus controllers	I	
		I	
Pr	operties Refresh Remove Print	I	
	Close		

In this case, select RTE-2000-TP USB Interface in the Device Manager and click the

Properties button.

In the RTE-2000-TP USB Interface Properties dialog box that appears, click the Reinstall Driver button. Then the Update Device Driver Wizard dialog box appears. The subsequent steps are the same as those in Section 5.12.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME.

RTE-2000-TP USB Interface Properties	? ×		
General Driver			
RTE-2000-TP USB Interface			
Device type: Other devices			
Manufacturer: None specified.			
Hardware version: Not available			
Device status	- 1		
The drivers for this device are not installed (Code 28.) To reinstall the drivers for this device, click Reinstall Driver Rejnstall Driver			
Device usage			
Disable in this hardware profile			
Exists in all hardware profiles			
OK Canc	el		
5.13. INSTALLING THE PC-CARD DRIVER IN THE WINDOWS 2000 ENVIRONMENT

This section explains how to install the PC-Card driver under Windows 2000.

If the driver for a PC-Card made by Kyoto Micro Computer Co., Ltd. (hereafter referred to as "KMC") has already been installed, the driver embedding wizard may not be activated even if the Midas lab PC-Card interface is inserted into the PC-Card socket. In this case, use the KMC driver as is. RTE for WIN32 runs normally even with the KMC driver. If the Midas lab PC-Card has already been installed, replace the Midas

lab driver with the KMC driver to enable the use of the KMC PC-Card. For details, see Section 5.13.4. KMC PC-CARD DRIVER.

5.13.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME

When you insert the PC-Card interface into the PC-Card socket for the first time, follow the steps below to install the standard driver.

- 1) Log in as a user with the administrator permission.
- If RTE for WIN32 has not yet been installed, install the RTE for WIN32 before inserting the PC-Card interface.

RTE for WIN32 may be installed when the following Found New Hardware Wizard dialog box opens.

3) Insert the PC-Card (PCMCIA) interface into the PC-Card socket. Then, a dialog box indicating that new hardware has been detected will appear. After a few moments, the Found New Hardware Wizard dialog box appears. Click the Next> button.



 In the dialog box shown below, select Search for a suitable driver for my device, then click the Next> button.

Found New Hardware Wizard
Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
Смс/мес ICE-IF_1.0
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
 Search for a suitable driver for my device (recommended)
C Display a list of the known drivers for this device so that I can choose a specific driver
< Back Next > Cancel

5) In the dialog box shown below, select only Specify a location, then click the Next> button.

Found New Hardware Wizard			
Locate Driver Files Where do you want Windows to search fi	or driver files?		
Search for driver files for the following har	dware device:		
KMC/MEC ICE-IF_1.0			
The wizard searches for suitable drivers in any of the following optional search locati	i its driver databas ons that you speci	e on your comput fy.	er and in
To start the search, click Next. If you are insert the floppy disk or CD before clicking	searching on a floj 9 Next.	opy disk or CD-R0)M drive,
Optional search locations:			
Floppy disk drives			
CD-ROM drives			
Specify a location			
Microsoft Windows Update			
	< Back	Next>	Lancel

6) In the dialog box shown below, input the installation destination directory for RTE for WIN32 in the Copy manufacturer's files from text box. Or, click the Browse button, specify the installation destination directory for RTE for WIN32, and then click the OK button.



 The system searches for the driver file. Then, the dialog box shown below appears. Click the Next> button.

The wizard found a driver for the following device: KMC/MEC ICE IF_1.0 Windows found a driver for this device. To install the driver Windows found, click Next. c:\tte4W32\midas inf	Driver Files The wiza	s Search Results ard has finished searching for driver files for your hardware device.
KMC/MEC ICE-IF_1.0 Windows found a driver for this device. To install the driver Windows found, click Next. c:\tre4w32\midas.inf	The wiza	ard found a driver for the following device:
Windows found a driver for this device. To install the driver Windows found, click Next.		KMC/MECICE4F_1.0
C:\tte4w32\midas.inf	Windows	s found a driver for this device. To install the driver Windows found, click Next.
		c:\rte4w32\midas.inf
(Pack Nouth Canad		(Park Mout) Cano

The path displayed in the dialog box shown above is the directory in which RTE for WIN32 has been installed.

8) The driver file is copied. Then, the dialog box shown below appears. Click the Finish button.

Found New Hardware Wizard	
	Completing the Found New Hardware Wizard The PC-Card Interface Windows has finished installing the software for this device. To close this wizard, click Finish.
	< Back Finish Cancel

You have now finished detecting the board and installing the driver. You can check the system status by the Device Manager.

🚇 Device	Manager	_ 0
Action	<u>View</u> ← → 🖮 🖬 😭 😫 🕙	<u>8</u> X
🖃 🚚 TA:	2	
Ē 📃	Computer	
÷ 🗇	Disk drives	
÷-9	Display adapters	
🗉 🗄 🎡	DVD/CD-ROM drives	
÷ 🔁	Floppy disk controllers	
÷ 🖃	Floppy disk drives	
÷ 🔁	IDE ATA/ATAPI controllers	
- B-83	Keyboards	
+©	Mice and other pointing devices	
- P-�	Midas lab Drivers	
	RTE PC-Card Interface	
Ē- 🚍	Monitors	
÷ 💵	Network adapters	
÷ 🖗	PCMCIA adapters	
÷-,7	Ports (COM & LPT)	
🖻 🍕	Sound, video and game controllers	
Ē- 📮	System devices	
÷ 😪	Universal Serial Bus controllers	



Open the Device Manager as follows:

Click Start \rightarrow Settings \rightarrow Control Panel. Double click the System icon. In System Properties, click the Hardware tab, then click the Device Manager button.

5.13.2. INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED

If the driver was not installed because, for example, the correct procedure was not followed, install it by applying the following procedure.

If the driver has not been installed, an exclamation mark (!) is displayed beside KMC/MEC-ICE-IF 1.0 in the Device Manager list.



Open the Device Manager as follows:

Click Start \rightarrow Settings \rightarrow Control Panel. Double click the System icon. In System Properties, click the Hardware tab, then click the Device Manager button.

- 1) Log in as a user with the administrator permission.
- 2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.
- Select KMC/MEC-ICE-IF 1.0 in the Device Manager list, and then select Properties from the Action menu.
- The KMC/MEC-ICE-IF_1.0 Properties dialog box appears. Select the Driver tab, then click the Update Driver button.



 The Upgrade Device Driver Wizard dialog box appears. For the subsequent steps, see Section 5.13.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME.

Upgrade Device Driver Wizard				
	Welcome to the Upgrade Device Driver Wizard This wizard helps you upgrade a device driver for a hardware device.			
	< Back Next > Cancel			

5.13.3. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted KMC/MEC-ICE-IF 1.0 or RTE PC-Card Interface from the Device Manager for some reason, KMC/MEC-ICE-IF 1.0 or RTE PC-Card Interface will no longer be displayed on the Device Manager.

In this case, click Start, Settings, Control Panel, then activate Add/Remove Hardware to search through the plug and play devices. Alternatively, dismount the PC-Card from the socket, and reinsert it. Once the PC-Card has been detected, the subsequent steps are the same as those in Section 5.13.1. WHEN THE PC-CARD INTERFACE IS INSERTED INTO THE SOCKET FOR THE FIRST TIME.



Click Start \rightarrow Settings \rightarrow Control Panel. Double click the System icon. In System Properties, click the Hardware tab, then click the Device Manager button.

5.13.4. KMC PC-CARD DRIVER

This section explains the procedure for replacing the PC-Card driver for RTE for WIN32 with the PC-Card made by Kyoto Micro Computer Co., Ltd. (hereafter referred to as "KMC"), that supports PARTNER-ETII/J/N64.

RTE for WIN32 runs normally even when the KMC driver has been installed. However, KMC PARTNER-ETII/J/N64 does not run unless the KMC driver is installed. <u>To use the RTE for</u> <u>WIN32 and PARTNER-ETII/J/N64 on the same computer with the PC-Card interface, therefore, the KMC PC-Card driver must be installed.</u>

The following explains the procedure for replacing the PC-Card driver for RTE for WIN32 with the KMC driver.

If the PC-Card driver for RTE for WIN32 is installed, the RTE PC-Card Interface is displayed when the Device Manager is started.



Open the Device Manager as follows: Click Start → Settings → Control Panel. Double click the System icon. In System Properties, click the Hardware tab, then click the Device Manager button.

- 1) Log in as a user with the administrator permission.
- 2) Execute the installer for the KMC PC-Card driver, and then extract the driver file.
- Select the RTE PC-Card Interface from the Device Manager list, and then select Properties from the Action menu.

4) The RTE PC-Card Interface Properties dialog box appears. Select the Driver tab, then click the Update Driver button.

RTE PC-Ca	ard Interface Pro	perties ? ×
General	Driver Resource	25
\diamond	RTE PC-Card Inte	aface
	Driver Provider:	Unknown
	Driver Date:	Not available
	Driver Version:	Not available
	Digital Signer:	Not digitally signed
To viev Details, the driv	v details about the d To uninstall the driv er files for this devic	iiver files loaded for this device, click Driver er files for this device, click Uninstall. To update e, click Update Driver.
	Unver Details	Uninstall Update Driver
		OK Cancel

5) The Upgrade Device Driver Wizard dialog box appears. Click the Next> button.

Jpgrade Device Driver Wizard	
	Welcome to the Upgrade Device Driver Wizard This wizard helps you upgrade a device driver for a hardware device.
	< Back Next > Cancel

6) In the dialog box shown below, select Search for a suitable driver for my device, then click the Next> button.



 In the dialog box shown below, select only Specify a location, then click the Next> button.



8) In the dialog box shown below, input the directory in which the KMC PC-Card driver is to be extracted in the Copy manufacturer's files from text box. Or, click the Browse button, specify the directory in which the KMC PC-Card driver is to be extracted, and then click the OK button.

Upgrade I	Device Driver Wizard	X
	Inset the manufacturer's installation disk into the drive selected, and then click OK.	OK Cancel
	Copy manufacture's files from: C:\Program Files\KMC\W2KDRV	Browse

9) The system searches for the driver file. Then, the dialog box shown below appears. Check the Install one of the other drivers check box, and then click the Next> button.



10) In the dialog box shown below, the driver for RTE for WIN32 and the KMC driver are displayed as Driver Files Found. Select the KMC driver and then click the Next> button.

U

grade Device Driver Wizard		
Driver Files Found Which driver do you want to install ?		
RTE PC-Card Interface Windows found the following drivers w these drivers select it from the list and	which are suitable for this device. T click Next.	o install one of
Description	Provider	Manufacture
RTE PC-Card Interface	Midas lab,Inc.	Midas lab,Inc
KMC PARTNER-ET2 PC-CARD I/F	Kyoto Micro Computer CO.,LTD.	Kyoto Micro I
	< Back Next >	Cancel

11) The driver file is copied. Then, the dialog box shown below appears. Click the Finish button.



You have now finished detecting the board and installing the driver. You can check the system status by the Device Manager.





Open the Device Manager as follows:

Click Start \rightarrow Settings \rightarrow Control Panel. Double click the System icon. In System Properties, click the Hardware tab, then click the Device Manager button.

5.14. INSTALLING THE PCI DRIVER IN THE WINDOWS 2000

This section explains how to install the PCI driver under Windows 2000.

5.14.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME

The following procedure should be applied when Windows 2000 is activated after the RTE series PCI board is inserted into the PCI bus slot for the first time.

- 1) Log in as a user with the administrator permission.
- 2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.



3) After log in, a dialog box indicating that new hardware has been detected appears. Then, after a short while, the Found New Hardware Wizard dialog box appears. Click the Next> button.



 In the dialog box shown below, select Search for a suitable driver for my device, then click the Next> button.

Found New Hardware Wizard
Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
PCI Device
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
 Search for a suitable driver for my device (recommended)
$\mathbb C$. Display a list of the known drivers for this device so that I can choose a specific driver
< Back Next > Cancel

5) In the dialog box shown below, select only Specify a location, then click the Next> button.



6) In the dialog box shown below, input the installation destination directory for RTE for WIN32 in the Copy manufacturer's files from text box. Or, click the Browse button, specify the installation destination directory for RTE for WIN32, and then click the OK button.

Found Net	w Hardware Wizard	×
-	Insert the manufacturer's installation disk into the drive selected, and then click OK.	OK Cancel
	Copy manufacture's files from: C\RTE4W32	Browse

 The system searches for the driver file. Then, the dialog box shown below appears. Click the Next> button.







8) The driver file is copied. Then, the dialog box shown below appears. Click the Finish button.

You have now finished detecting the board and installing the driver. You can check the system status by the Device Manager.

	× j + - / = 13 3 3 0
🗆 📕 TAI2	
🕀 🔜 Co	nputer
🕀 🛄 Dis	k drives
🗉 🖳 Dis	play adapters
🕀 🊰 🕀	D/CD-ROM drives
🕒 🖶 🗄 Flo	ppy disk controllers
🗄 🖅 Flo	ppy disk drives
🗄 🚭 IDE	ATA/ATAPI controllers
📋 🔁 🍪 Ker	/boards
🔅 - 🔁 Mic	e and other pointing devices
📋 🕀 Mic	las lab Drivers
	RTE PCI Host Interface Card or RTE-PC Series
📋 🖳 Mo	nitors
🗈 💵 Ne	work adapters
📋 🕀 🌪 PC	MCIA adapters
🗈 🍠 Por	ts (COM & LPT)
🕀 🕀 Sor	und, video and game controllers
🗄 🛄 Sys	stem devices
1 - 1	versal Serial Bus controllers

Open the Device Manager as follows: Click Start \rightarrow Settings \rightarrow Control Panel. Double click the System icon. In System Properties, click the Hardware tab, then click the Device Manager button.

5.14.2. INSTALLING A DRIVER THAT HAS NOT YET BEEN INSTALLED

If the PCI card interface is already installed in the PCI bus slot before the installation of Windows 2000, or if the driver was not installed, for example, because the wrong procedure was applied, install the driver according to the following procedure.

If the driver has not been installed, an exclamation mark (!) is displayed beside PCI Device in the Device Manager list.



Open the Device Manager as follows:

Click Start \rightarrow Settings \rightarrow Control Panel. Double click the System icon. In System Properties, click the Hardware tab, then click the Device Manager button.

- 1) Log in as a user with the administrator permission
- 2) If RTE for WIN32 has not yet been installed, install RTE for WIN32.
- Select PCI Device in the Device Manager list, and then select Properties from the Action menu.
- 4) The PCI Device Properties dialog box appears. Click the Reinstall Driver button, or select the Driver tab, then click the Update Driver button.

PCI Device Properties ? 🗙		
General	Driver Resource	8
\diamond	PCI Device	
	Driver Provider:	Unknown
	Driver Date:	Not available
	Driver Version:	Not available
	Digital Signer:	Not digitally signed
No driv the driv this dev	er files are required (er files for this devic rice, click Update D	x have been loaded for this device. To uninital e, cick Uninstall. To update the driver files for river.
	Driver Deteils	Uninstall Update Driver
		OK Cancel

5) The Upgrade Device Driver Wizard dialog box appears. For the subsequent steps, see Section 5.14.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.

Upgrade Device Driver Wizard	
Welcome to the Upgrade Device Driver Wizard Driver Wizard This wizard helps you upgrade a device driver for a hardware device. To continue, click Nest.	
<beck next=""> Cancel</beck>	

5.14.3. IF A DEVICE IS DELETED FROM THE DEVICE MANAGER

If you have deleted PCI Device or RTE PCI Host Interface Card or RTE-PC Series from the Device Manager for some reason, PCI Device or RTE PCI Host Interface Card or RTE-PC Series will no longer be displayed on the Device Manager.

In this case, click Start, Settings, Control Panel, then activate Add/Remove Hardware to search through the plug and play devices. Once the PCI card has been detected, the subsequent steps are the same as those in Section 5.14.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.

5.15. INSTALLING THE USB DRIVER IN THE WINDOWS 2000 ENVIRONMENT

This section explains how to install the USB driver under Windows 2000.

5.15.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME

When the RTE-2000(H)-TP is connected to the host through USB for the first time, install the driver the same way as with a PCI board. See Section 5.14.1. WHEN WINDOWS IS STARTED AFTER THE PCI BOARD IS INSERTED INTO THE PCI BUS SLOT FOR THE FIRST TIME.

When the USB driver is successfully installed, the Device Manager screen as shown below appears.



Open the Device Manager as follows:

Click Start \rightarrow Settings \rightarrow Control Panel. Double click the System icon. In System Properties, click the Hardware tab, then click the Device Manager button.

5.15.2. INSTALLING THE DRIVER THAT HAS NOT YET BEEN INSTALLED

If you cancel the installation of the USB driver before it completes, the USB driver is not installed. At this time, the Device Manager screen as shown below appears.



In this case, select Scan for hardware changes from the Action menu of the Device Manager or disconnect the USB cable from the RTE-2000(H)-TP and then connect it again after a few moments. The Found New Hardware Wizard starts. The subsequent steps are the same as those in Section 5.15.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME.

5.15.3. WHEN THE DRIVER WAS DELETED FROM THE DEVICE MANAGER

If you have deleted the USB driver from the Device Manager for some reason, the USB device indicating the RTE-2000(H)-TP will no longer be displayed on the Device Manager.

In this case, select Scan for hardware changes from the Action menu of the Device Manager or disconnect the USB cable from the RTE-2000(H)-TP and then connect it again after a few moments. The Found New Hardware Wizard starts. The subsequent steps are the same as those in Section 5.15.1. WHEN THE RTE-2000(H)-TP IS CONNECTED TO THE HOST THROUGH USB FOR THE FIRST TIME.

5.16. IDENTIFYING THE VERSION OF WINDOWS 95

There are basically two version of Windows 95: that version called OSR2 (hereafter referred to as **"Windows 95 (OSR2)"** and the original Windows 95 (hereafter referred to as **"Windows 95 (non-OSR2)"**. These two versions of Windows 95 adopt different procedures for installing drivers. The procedure for each version of Windows 95 is explained in the following sections. These two types of Windows 95 can be identified as follows:

- 1. Click Start, Setting, then Control Panel. Click System.
- Check the version number which is displayed in the System section by choosing the General tab in the System Properties dialog box (see the figure below). If the version number is 4.00.950 B or 4.00.950 C, Windows 95 OSR2 is installed and running on your PC. (Otherwise, 4.00.950 or 4.00.950a is displayed as the operating system version number.)

iystem P	roperties		? ×
General	Device Manager Ha	rdware Profiles Performance	
		System: Microsoft Windows 95 4.00.950 B ← Registered to:	

5.17. INSTALLING THE PC-CARD DRIVER IN THE WINDOWS 95 (NON-OSR2) ENVIRONMENT

This section explains how to install the card driver under Windows 95 (non-OSR2). The PC-Card interface does not require a special driver, the standard driver is installed. The procedure for installing the standard driver is given below.

 Insert the PC-Card interface into the PC-Card socket. Upon doing so, the new hardware is detected and the New Hardware Found dialog appears. Click Select from a list of alternate drivers then click the OK button. (With some personal computers, it may take a short while for this dialog to appear.)

New Hardware Found	? ×
KMC/MEC-ICE-IF 1.0	
Select which driver you want to install for your new hardware:	
O Windows default driver	
C Driver from disk provided by hardware manufacturer	
O Do not install a driver (Windows will not prompt you again)	
Select from a list of alternate drivers	
OK Cancel H	elp



If, upon inserting the PC-Card the New Hardware Found dialog does not appear or if, upon installing the card service the personal computer buzzes "BOO!", the PC-Card service may not be operating normally. See Section 5.24. WHEN THE PC CARD CANNOT BE RECOGNIZED (WINDOWS 95/98) and ensure that the card service is operating normally. Next, the Select Hardware Type dialog appears. Click Other devices then click the OK button.



3) Next, the Select Device dialog appears. Click Unsupported Device then click the OK button. The driver for the card is installed and the PC-Card interface is recognized (the personal computer beeps "PIPPO!" to indicate that the card has been recognized.)

Select D	evice
₽ ₽	Click the Other devices that matches your hardware, and then click OK. If you don't know which model you have, click OK. If you have an installation disk for this device, click Have Disk.
Modeļs:	
Unsuppo	orted Device
	Haus Disk
	<u>Have Disk</u>
	OK. Cancel

5.18. INSTALLING THE PCI DRIVER IN THE WINDOWS 95 (NON-OSR2)

This section explains how to install the PCI driver under Windows 95 (non-OSR2). The PCI board does not require a special driver, the standard driver is installed. The procedure for installing the standard driver is given below.

 After a PCI device has been installed, a dialog box that enables you to install a PCI driver will appear when Windows 95 is started. In this dialog box, check Select from a list of alternative drivers or Do not install a driver.

Ne w Hardware Found	? ×
PCI Card	
Select which driver you want to install for your new hardware:	
C <u>₩</u> indows default driver	
O Driver from disk provided by hardware manufacturer	
Do not install a driver (Windows will not prompt you again)	
Select from a list of alternate drivers	
OK Cancel <u>H</u> elp	

 When Select from a list of alternative drivers is selected, select Unsupported Device from Other devices.

Select Hardware Type Click the type of hardware you want to in Network adapters	stall.
Other detected devices	
Ulter devices PCMCIA socket Ports (COM & LPT) Printer SCSI controllers Sound, video and game controllers System devices	×
OK Canc	el

 Next, the Select Device dialog appears. Click Unsupported Device then click the OK button.

Select D	evice X
₽₽	Click the Other devices that matches your hardware, and then click OK. If you don't know which model you have, click OK. If you have an installation disk for this device, click Have Disk.
Modeļs:	
Unsuppo	orted Device
1	
	<u>H</u> ave Disk
	OK Cancel

5.19. INSTALLING THE PC-CARD DRIVER IN THE WINDOWS 95 (OSR2) ENVIRONMENT

This section explains how to install the PC-Card driver under Windows 95 (OSR2). The PC-Card interface does not require a special driver, the standard driver is installed. Follow the steps below to install a standard driver.

 Insert the PC-Card (PCMCIA) interface into the PC-Card socket. Then, a dialog box indicating that new hardware has been detected will appear. After a few moments, the Update Device Driver Wizard dialog box will appear. Click the Next> button.

Update Device Driver Wizard		
	This wizard will complete the installation of:	
	KMC/MEC-ICE-IF 1.0	
	by searching your local drives, network, and Internet locations for the most current driver.	
	If you have a disk or CD-ROM that came with this device, insert it now.	
	It is recommended that you let Windows search for an updated driver. To do this, click Next to continue.	
s an		
	< <u>₿</u> ack Next> Cancel	

If, upon inserting the PC-Card the New Hardware Found dialog does not appear or if, upon installing the card service the personal computer buzzes "BOO!", the PC-Card service may not be operating normally. See Section 5.24. WHEN THE PC CARD CANNOT BE RECOGNIZED (WINDOWS 95/98) and ensure that the card service is operating normally.

2) A dialog box for driver search appears. After a few moments, a dialog box like that shown below will appear. Then, click the Finish button.

Update Device Driver Wizard		
	Windows was unable to locate a driver for this device. If you do not want to install a driver now, click Finish. To search for a driver manuelly, click Other Locations. Or, to begin the automatic search again, click Back.	
	Other Locations	
	< Back Finish Cancel	

3) Click Start, Settings, then Control Panel. Then, click System. After the System Properties dialog box appears, click the Device Manager tab. Other devices will appear in the list. Double-click Other devices or click the + mark on the left, after which KMC/MEC-ICE-IF 1.0 will be displayed. Click KMC/MEC-ICE-IF 1.0 then click the Properties button.

KMC/MEC-ICE-IF 1.0 may appear with the ! mark. This is normal.

4) In the KMC/MEC-ICE-IF 1.0 Properties dialog box which appears, click the Driver tab then click the Update Driver button.

KMC/MEC-ICE-IF 1.0 Properties	×
General Driver Resources	
- <mark></mark>	
Provider:	
Date:	
Version: Not available	
No driver files are required or have been loaded for this device.	
Driver File Details	
OK Cancel	

 The Update Device Driver Wizard dialog box appears. Click the "No, select driver from list" option then click the Next> button.

Update Device Driver V	√izard
	This wizard searches your local drives, network, and Internet locations for updated drivers for: KMC/MEC-ICE-IF 1.0
	If you have a disk or CD-ROM that contains updated drivers for this device, insert it now.
	It is recommended that you let Windows search for an updated driver. To do this, click Next to continue.
	Do you want Windows to search for the driver?
$\langle \rangle$	○ Yes (Recommended)
	No, select driver from list
	< <u>B</u> ack. Next > Cancel

6) In the dialog box shown below, click Other devices then click the Next> button.

Update Device Driver W	/izard
	Select the type of device from the list below, then click Next.
	Hard disk controllers Infrared Keyboard Memory Technology Drivers (MTDs) Modem Monitor Mouse
*	Multi-function adapters Dther detected devices Other devices View Construction View
	< <u>B</u> ack Next> Cancel

 In the dialog box shown below, click Unsupported Device then click the Finish button. By means of this operation, the driver is loaded, thus enabling the PC-Card service.

Update I	Device Driver Wizard
- Portage - Contract -	Click the manufacturer and model of your hardware, and then click Finish to install the updated driver for your hardware.
	To automatically search for an updated driver, click Back.
Mo <u>d</u> els:	
Unsupp	norted Device
	< <u>B</u> ack Finish Cancel

8) By clicking the Device Manager tab in the System Properties dialog box, you may confirm that KMC/MEC-ICE-IF 1.0 has changed to Unsupported Device without the ! mark.

General Device Manager Hardware Profiles Performance	
View devices by type O View devices by connection	
Computer Co	

5.20. INSTALLING THE PCI DRIVER IN THE WINDOWS 95 (OSR2) ENVIRONMENT

This section explains how to install the PCI driver under Windows 95 (OSR2). The PCI board does not require a special driver, the standard driver is installed. Follow the steps below to install a standard driver.

 Insert the RTE series into the PCI bus and activate Windows 95. Then, a dialog box indicating that new hardware has been detected will appear. After a few moments, the Update Device Driver Wizard dialog box will appear. Click the Next> button.

Update Device Driver Wiza	rd
bin the second sec	his wizard will complete the installation of: PCI Card / searching your local drives, network, and Internet cations for the most current driver. you have a disk or CD-ROM that came with this device, set it now. is recommended that you let Windows search for an pdated driver. To do this, click Next to continue.
	< <u>B</u> ack [Next>] Cancel

2) A dialog box for driver search appears. After a few moments, a dialog box like that shown below will appear. Then, click the Finish button.

Update Device Driver W	izard
	Windows was unable to locate a driver for this device. If you do not want to install a driver now, click Finish. To search for a driver manually, click Othet Locations. Or, to begin the automatic search again, click Back.
	Other Locations
	< <u>B</u> ack Finish Cancel

3) Click Start, Settings, then Control Panel. Then click System. After the System Properties dialog box appears, click the Device Manager tab. Other devices will appear in the list. Double-click Other devices or click the + mark on the left. PCI Card is displayed. Choose PCI Card and click the Property button.

Computer CORDM CDROM
Properties Refresh Remove Print

- PCI Card may appear with the ! mark. This is normal.
- 4) The PCI Card Properties dialog box appears. Click the Driver tab, then click the Update Driver button.

PCI Card Prop	erties	? ×
General Drive	er Resources	
2		
Provider:		
Date:		
Version:	Not available	
No driver fil	es are required or have been loaded fo	r this device.
	Driver File Details	late Driver
	OK	Cancel

 The Update Device Driver Wizard dialog box appears. Click "No, select driver from list", then click the Next> button.

Update Device Driver \	#izard
	This wizard searches your local drives, network, and Internet locations for updated drivers for: PCI Card
	If you have a disk or CD-ROM that contains updated drivers for this device, insert it now.
	It is recommended that you let Windows search for an updated driver. To do this, click Next to continue.
	Do you want Windows to search for the driver?
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	O Yes (Recommended)
	No, select driver from list
	< Back Next > Cancel

6) In the dialog box shown below, click Other devices then click the Next> button.

Update Device Driver W	'izard
	Select the type of device from the list below, then click Next.
	Hard disk controllers Infrared Keyboard Memory Technology Drivers (MTDs) Modem Monitor Mouse Multi-function adapters Multi-function adapters Dither detected devices
	Uther devices

7) In the dialog box shown below, click Unsupported Device then click the Finish button.

Click the manufacturer and model of your hardware, and then click Finish to install the updated driver for your hardware. To automatically search for an updated driver, click Back.
To automatically search for an updated driver, click Back.
Models:
Unsupported Device
< <u>B</u> ack Finish Cancel

irm that PCI Card has changed to Unsupported Device without the ! mark.

Properties

Re<u>f</u>resh

Pri<u>n</u>t.

R<u>e</u>move

Close

8) By clicking the Device Manager tab in the System Properties dialog box, you may confirm that PCI Card has changed to Unsupported Device without the ! mark.

5.21. INSTALLING RTE I/O DRIVER IN THE WINDOWS XP, WINDOWS 2000, or WINDOWS NT 4.0 ENVIRONMENT

To use an interface (PC-Card, host card, I/O port, or PCI) to access I/O ports with Windows XP, Windows 2000, or Windows NT 4.0, it is necessary to install an RTE I/O port driver. This driver is installed and uninstalled automatically by setup.exe.

Check RTE2 creates the following entry as a registry key for the RTE I/O driver.

HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\RTEDEV

The name of the driver file is RTEDEV.SYS.

5.22. INSTALLING RTE PC-CARD DRIVER IN THE WINDOWS NT 4.0 ENVIRONMENT

To use a PC-Card interface with Windows NT 4.0, it is necessary to install an RTE PC-Card driver. This driver is installed by placing a check mark in the With PC-Card Driver check box in the first dialog box that appears when setup.exe is started. It is uninstalled automatically when setup.exe is executed to perform uninstallation.

Check RTE2 creates the following entry as a registry key for the RTE PC-Card driver.

HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\Pcmcia\DataBase\KMC/MEC\

The name of the driver file is RTEPCIF.SYS.

5.23. RESTRICTIONS ON PC-CARD INTERFACE IN WINDOWS NT 4.0 ENVIRONMENT

When using a PC-Card interface in a Windows NT 4.0 environment, RTE for WIN32 will not operate correctly unless the PC-Card interface is assigned I/O address 220H.

If the connection check of Check RTE2 fails when a PC-Card interface is being used in a Windows NT 4.0 environment, check whether the PC-Card interface is assigned I/O address 220H.

If I/O address 220H is not assigned, the PC-Card interface can be assigned address 220H by reassigning the other resources. The address allocation change differs depending on the type of the resource assigned address 220H. Usually, the following procedure can be used:

- If an ISA bus card is assigned address 220H, its I/O address assignment can be changed by setting a DIP switch or running a utility.
- The address assignment can be changed by using the software or installer supplied with the driver for the resource currently assigned address 220H.
- If an on-board function of the motherboard or an internal function of a notebook-type personal computer is assigned address 220H, the I/O address assignment can be changed in the BIOS.
- If an on-board function of the motherboard or an internal function of a notebook-type personal computer is assigned address 220H, the function can be disabled in the BIOS. In this case, the PC-Card interface will be assigned address 220H when the personal computer is next started (with its internal function disabled). If the computer is subsequently shut down and the disabled function re-enabled, the function should be assigned an address other than 220H.

 If the resource assigned address 220H is a PCI board, remove the board and then start the computer. The PC-Card interface will be assigned address 220H. If the computer is subsequently shut down, the board re-installed, and the computer started again, the board should be assigned to an address other than 220H.

Start the diagnosis program by selecting Start → Program → Administrative Tool → Windows NT Diagnosis and select I/O Port on the Resource tab to determine the I/O address assignment.

The sound card is often assigned I/O address 220H.

5.24. WHEN THE PC CARD CANNOT BE RECOGNIZED (WINDOWS 95/98)

If it proves difficult to recognize the PC-Card, this can usually be attributed to the PC-Card service not operating normally. The reason for the card service not operating normally is usually related to problems with that particular personal computer, such as the hardware settings. Note that it is impossible to cover all such cases here.

Here, by explaining the handling of general problems, we hope to provide the user with some hints on solving such problems.

5.24.1. WHEN THE NEW HARDWARE FOUND DIALOG BOX DOES NOT APPEAR

If, when installing the driver for a particular card, the New Hardware Found dialog does not appear or, when a driver for a particular card, previously installed by mistake, is to be replaced, follow the procedure given below.

 With the PC-Card interface inserted into the socket, click Start → Settings → Control Panel → PC-Card (PCMCIA), such that the PC-Card (PCMCIA) Properties dialog appears, then click the Socket Status tab.

PC Card (PCMCIA) Properties
Socket Status Global Settings
Solution a PC card, select it from the list, and then click Stop.
♀ [Unsupported Device - Socket 1 ◆ [Empty] - Socket 2
<u></u>
 ☑ Show control on taskbar ☑ Display warning if card is removed before it is stopped
OK Cancel Apply

- Note the device name of the socket into which the PC-Card interface is inserted. (This is Unsupported Device in the above figure, but will be different if the driver for other than the correct PC-Card has been installed.)
- Click Start → Settings → Control Panel → System such that the System Properties dialog appears, then click the Device Manager tab. Search for and select the device explained in 2).
- Confirm that the device explained in 2) has been selected, then click the Remove button to erase the device. (Caution: Be particularly careful not to erase other than the invalid device.)
- 5) Remove the PC-Card interface from its socket, then re-insert it after a few seconds. Then the New Hardware dialog box explained in the description of how to install the PC-Card driver will open. After that, refer to the description of how to install the driver for each OS.

5.24.2. IF THE PERSONAL COMPUTER BUZZES "BOO!" WHEN THE PC CARD IS INSERTED

If, when the PC-Card interface is inserted into the socket, the personal computer buzzes "BOO!", rather than beeps, the most probable cause is that the PC-Card service is not operating normally. Possible reasons include other than the correct driver being selected when the PC-Card service is installed, or an incorrect setting in the BIOS of the personal computer (such as that for the ISA-BUS shared memory).

In such a case, refer to the manual supplied with the personal computer or the PC-Card socket hardware, and ensure that the PC-Card service is operating normally.

6. ERROR MESSAGES AND REQUIRED RESPONSES

This section describes the error messages that may appear during the function test of RTE for WIN32, and the required responses.

Can not open COMx:.

- The specified serial port cannot be used.
- ✓ Choose another serial port.

RTE-PC is not connected on I/O=XXXX.

- The wrong I/O address was specified for the RTE-xxxx-PC.
- ✓ Check the hardware connection of the RTE system.
- ✓ Change the I/O address, or check the DIP switch setting.

Illegal number of data

Illegal data: xx yy != XX YY

- The data returned from the RTE system is invalid.
- ✓ It is likely that the port or cable is defective. Switch the RTE system and PC off and on again, and retry the checking.
- ✓ For a serial port, change the baud rate.

Can not send data.

Send time-out.

- It is impossible to send data.
- ✓ Make sure that power is supplied to the hardware of the RTE system.
- ✓ Check the port connection.

Receive data error.

- Data reception failed.
- \checkmark It is likely that serial communication is abnormal or that the cable is defective.

Receive time-out.

- There is no response from the RTE system.
- \checkmark It is likely that serial communication is abnormal or that the cable is defective.
- ✓ For the RTE-xxxx-IE, check the power and clock on the target CPU side.

Too many retry

- A response form the RTE-xxxx-PC is invalid.
- ✓ Click the OK button again, and retry the checking. If the situation does not change, switch the RTE system and PC off and on again, and retry the checking.

If any other error is reported, refer to an applicable manual for the interface card in use.

- Memo -

RTE for WIN32 Installation Manual

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