

**PC-AT Host Card Interface
Instruction Manual**

RealTimeEvaluator

1. INTRODUCTION

This product is an RTE series interface card designed for use in the ISA bus slot of the PC-AT or its compatibles.

The product is supposed to come with the following items. Make sure that you have received all these items.

- 1. PC-AT host card : One each
- 2. Interface cable : One each
- 3. Instruction manual (this manual) : One each

2. BASIC SPECIFICATION

Target models

This product targets a PC-AT having an ISA bus.

Required hardware resources

I/O address : 16-byte area on any 16-byte boundary between 200h and 3FFh

Interrupt : Not used

Current drain

500 mA (maximum) for +5 V

Handling precautions

- ✓ Do not place heavy stuff on the card or apply pressure to it.
- ✓ Do not drop the card. Do not apply vibration or shocks to it.
- ✓ When detaching the cable connector, do not pull the cable.
- ✓ Avoid using or storing the card in a hot, humid, and/or dusty environment. When using or storing the card, keep it from direct sunshine.
- ✓ Do not expose the card to abrupt changes in environments (such as ambient temperature and humidity).
- ✓ Be careful not to spill drink or water on the card and its attachments.
- ✓ Be careful not to attach the cable for a wrong product to the connector.

3. INSTALLATION

3.1. SETTING THE I/O ADDRESS

SW1 and SW2 are I/O address selection switches for the ISA bus. Contact numbers 1 to 8 of SW1 correspond to ISA address bits A4 to A11, respectively. Similarly, contact numbers 1 to 4 of SW2 correspond to ISA bus address bits A12 to A15, respectively. It is, therefore, possible to select I/O addresses 000xH to FFFxH. The OFF position of the switch corresponds to logical 1, while the ON position corresponds to logical 0. For the RTE, set the I/O address to a value between 20xH to 3ExH.

The I/O address specified for the RTE must not be the one used by the personal computer system or any other board. In addition, this value should be recorded for later reference, because it will be used when the related software is installed.

| | | | | | | | | | |
|-----------------|----|----|----|----|----|----|-----|-----|------------------------|
| SW1 contact No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Address bit | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | I/O address |
| ON/ OFF | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 020xH (factory-set) |

| | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|
| SW2 contact No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Address bit | A12 | A13 | A14 | A15 | OFF | OFF | OFF | OFF | I/O address |
| ON/ OFF | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 020xH (factory-set) |

Caution

Set SW2 contact numbers 1 to 4 to ON. Set SW2 contact numbers 5 to 8 to OFF.

3.2. INSTALLING THE CARD IN THE PERSONAL COMPUTER

After confirming that the personal computer is switched off, insert the host card in the ISA bus slot as instructed in the applicable instruction manual of the personal computer.

3.3. CONNECTING WITH THE RTE-xxxx-IE

Using the accompanying cable, connect the RTE-xxxx-IE to CH0.

Caution

The RTE-xxxx-IE can be connected only to CH0. When connecting to any other model, refer to the applicable instruction manual of that model.

- Memo -

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