

SUD-T-3681-3
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CP(K)

IE-70000-PC-IF-C

Preliminary User's Manual

3rd edition May 2000

Major revised points in second edition

Page	Description
p.1	Interrupt number revised in 2. Basic Specification (IR3, 5, 6, 9, 11, 12, 13 → IRQ2, 3, 4, 5, 6, 7)
p.2	It is revised * mark of the table of SW2 from #8 to 7. Caution added.

Major revised points in third edition

Page	Description
Throughout	IE-PC Driver disk and DLL-disk added to the package contents.
Throughout	Document format totally changed.

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Chapter 1 Overview

This IE series interface board is designed to be mounted in an ISA bus slot in a computer (IBM PC/AT-compatible) with Windows95, Windows98, WindowsNT4, or Windows2000 installed.

Compatible in-circuit emulators

NS Type

IE-78K0S-NS(-A)

IE-78K0-NS(-A)

IE-78K4-NS

R Type

IE-78001-R-A

IE-784000-R

V85X Type

IE-703002-MC

IE-703102-MC

IE-V850E-MC(-A)

NW Type

IE-70000-MC-NW-A

Hardware resources used

I/O address : 200H - 3FFH (*1)

Interrupt : Not used

(Setting when using IE-78xxx-R series, IRQ2, 3, 4,
5, 6, 7 selectable.)

Power consumption : +5V, max 500mA

(*1) Any 16 bytes among 16-byte boundary

Chapter 2 Contents of Package

- Interface board 1
- User's Manual 1 (This document)
- IE-PC Driver disk 1
- DLL-disk 1
- Guarantee 1

Chapter 3 Installation

This section explains the overall installation procedure when using Windows 9x. For a more detailed explanation, or if using another OS, please refer to the file Readme_e.txt on the IE-PC Driver disk.

1. Check for Available Resources

Before installing the interface board in the PC, open the Hardware Wizard from the Control Panel, select the hardware type "Multi-function Adapter", and install the driver (\WIN9X\PC-IF\M-FUNC.INF) to confirm that resources (I/O address) are available.

2. Board Settings

This board has no jumpers or dip switches.

(1) DIP switch settings

Switch #1 to #8 of SW1 correspond to the address A4 to A11 of the ISA bus, and switch #1 to #4 of SW2 correspond to the address A12 to A15 of the ISA bus. Specify the address between 20xH and 3FxF.

"0" is set when the switch is on, and "1" when the switch is off.

The address values specified here must not be used in the system of the PC or other board.

Set switch #5 to #8 of SW2 as follows in accordance with the IE type used.

V85X type, R type 5: OFF, 6: OFF, 7: OFF, 8: OFF

NS type, NW type 5: OFF, 6: OFF, 7: **ON**, 8: OFF

Setting When Shipped (I/O Address: 20xH, V85X/R Type)

SW1 #	1	2	3	4	5	6	7	8
Address	A4	A5	A6	A7	A8	A9	A10	A11
ON	0	0	0	0	0		0	0
OFF						1		

SW2 #	1	2	3	4	5	6	7	8
Address	A12	A13	A14	A15	OFF	OFF	ON	OFF
ON	0	0	0	0				
OFF					1	1	1	1

(2) Jumper settings

INT JP is a jumper to select interrupt for ISA bus.

V85X type, NS type, NW type : Select NO USE

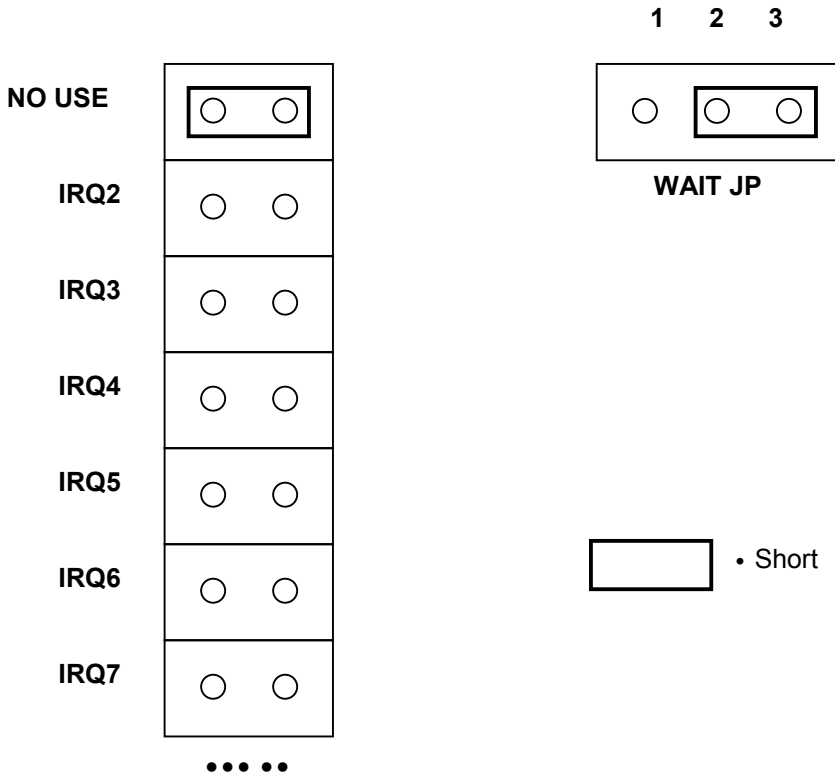
R type : Select IRQ2 to 7

WAIT JP is a jumper to select WAIT for ISA bus.

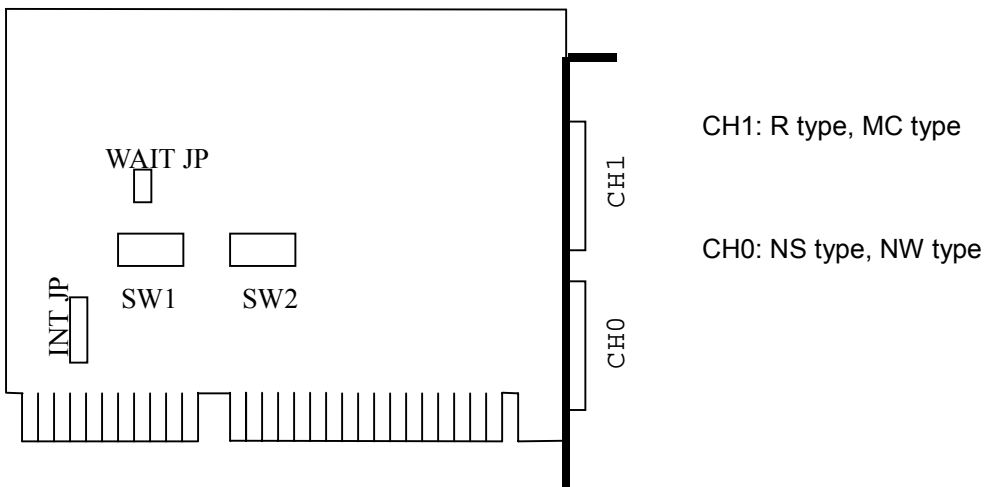
V85X type, R type : 2-3 short

NS type, NW type : 1-2 short

Settings of INT JP and WAIT JP When Shipped



(3) Settings of DIP switches and jumpers



3. Installing the Board in the Computer

Check that the computer is turned off. Mount the interface board in an ISA bus slot, following the instructions in the user's manual for your computer.

Secure the interface board in the computer using the screw.

4. Installing the IE-PC Drivers

The drivers (WIN9X\PC-IF\PC-IF.INF) are installed by the Windows Plug & Play function.

5. DLL-disk

The DLL-disk is required when using ID78K series V1.XX. Refer to the file Dlldsk_e.txt on the disk for instructions on installation.

*** This is not required when using ID850 series.**

Chapter 4 Cautions on Use

- Do not place heavy objects on the board, or apply pressure to it.
- Do not drop the board, or subject it to physical shock or vibration.
- Do not use the board in a hot, humid or dusty environment. Avoid using or storing the board in a location where it is exposed to direct sunlight.
- Avoid subjecting the board to sudden environmental changes (in temperature or humidity.)
- Do not spill liquids or drinks on the board. This could damage the board.
- Do not use the connectors or cables of a different product by mistake.