Multi I/O Plus IDE Plus FDD Interface Card
(2 Serial/1 Parallel printer/1 Game port)
(IDE HDD + FDD port)

User's Manual

Model: IODE-3290U

Introduction

IODE-3290U is a powerful and flexible Multi I/O enhancement product, also with drive port on board for IDE interface HDD and FDD.

It is specially upgraded to provide TWO SERIAL ports for connecting Modem, Mouse, or as an ansynchronous communication port to another peripherals. Also it is including ONE PARALLEL printer port for connecting printer and ONE GAME port for joystick. Meanwhile with DRIVE port on board for attaching IDE interface HDD and FDD.
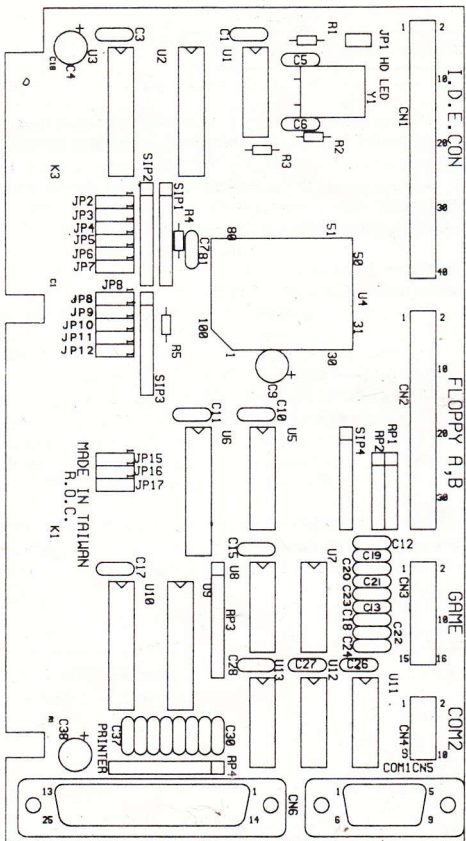
Package for IODE-3290U card:
* IODE-3290U card
* IODE-3290U user's manual
* IDE interface drive cable
* FDD driver cable
* Serial interface cable
* Game port interface cable

II. Features of IODE-3290U card

2-1. Main features

* Compatibilites with 80286/386/486 computer system
* Support two serial port on board (RS-232 interface) COM1/COM jumper setting selectable
* Support one parallel printer port.
* Support one game port
* Support IDE interface Hard Disk Drive
* Support Floppy Disk Drive

I.D.E.CON

JP1 HD LED
CN1
C3 U3 C4 C18
U2 U1 R1 C5 Y1 C6 R2 R3
K3
SIP2
SIP1 R4
JP2 JP3 JP4 JP5 JP6 JP7
JP8 JP9 JP10 JP11 JP12
R5
SIP3
Z81
U4

FLOPPY A,B
CN2
C9 C10
C11 U6 U5
RP1 SIP4 RP2
JP15 JP16 JP17
MADE IN TAIWAN
R.O.C.
K1
C17 U10 U9 U8 RP3
C15
GAME
CN3
C12 C19 C21 C20 C23 C18 C13 C22 C24 C26
U7
C28 U3 C27 U2 U11
COM2
CN4
COM1 CN5
C38 C37 C30 RP4
PRINTER
CN6
13 25 1 14
1 5 6 9

III. Jumper setting for serial port

IODE-3290U supports two serail port on board. Both of the two serial port are standard EIA RS-232 interface that are fully programmable and can be used to connect 80286/386/486 system to a serial printer, modem, mouse, remote display terminal or other device which used RS-232 interface. Also jumper setting is provided for COM1/COM2/COM3/COM4 selectable.

First serial port on board is "COM1"
(Please refer to board layout of IODE-3290U card)
"COM1 is designed as a Male DB9P connector, and can work as COM1

Second serial port on board is "COM2", and designed as a 10-pin connector (9 pins used). Also one ribbon-type cable is provided. The ribbon-type cable is with one rectangular connector at one end and a Male DB25P connector at the other end. Plug the rectangular connector into "COM2", and make the Red or Blue line edge installed into the Pin 1 of "COM2". Also "COM2" can work as COM2.

Make the DB9P or DB25P D-Connector attached to the Female DB9S or DB25S connector on the end from your remote serial cable. (Please refer to the related manual of your serial printer, modem, mouse, ...)

Port Configuration	I/O Port
COM 1	3F8-3FF/3E8-3EF
COM 2	2F8-2FF/2E8-2EF

The parallel printer port is designed as DB25S female connector.

The game port is designed as 16-pin (15 pins used) rectangular connector and one game port interface cable is attached.

IDE (AT BUS) interface HDD drive port is designed as 40 pin rectangular connector, and one game HDD interface drive cable is provided.

Floppy disk drive is designed as 34-pin rectangular connector, and one FDD interface drive cable is attached.

NOTE:

In this manual when referring to jumpers the word "closed" means to mount a shorting plug on the corresponding pins of the jumpers.

3-1 I/O Port Enable/Disable Select

JP2:   FDD port Enable/Disable select
JP2:   (1-2) closed to enable FDD port
       (2-3) closed to Disable FDD port

JP3:   Printer port Enable/Diable select
JP3:   (1-2) closed to enable printer port
       (2-3) closed to disable printer port

JP4:   COM1 (first serial port) Enable/Disable select
JP4:   (1-2) closed to enable COM1 port
       (2-3) closed to disable COM1 port

JP5:   COM2 (second serial port) Enable/Disable select
JP5:   (1-2) closed to enable COM2 port
       (2-3) closed to disable COM2 port

JP6:   Game port enable/disable select
JP6:   (1-2) closed to enable game port
       (2-3) closed to disable game port

JP7:   HDD (IDE HDD port) enable/disable select
JP7:   (1-2) closed to enable HDD port
       (2-3) closed to disable HDD port

3-2 I/O Port Address Select

JP8:   FDD port address select
JP8:   (1-2) closed to select address 3F1-3F7
       (2-3) closed to select address 371-377

JP9:   Printer port address select
JP9:   (1-2) closed to select address 378-37F
       (2-3) closed to select address 278-27F

JP10: COM1 port address select
JP10: (1-2) closed to select address 3F8-3FF
       (2-3) closed to select address 3E8-3EF

JP11: COM2 port address select
JP11: (1-2) closed to select address 2F8-2FF
       (2-3) closed to select address 2E8-2EF

JP12: HDD port address select
JP12: (1-2) closed to select address 1F0-1F7
       (2-3) closed to select address 170-177

3-3 Interrupt Select

JP15: Interrupt select for printer port
JP15: (1-2) closed to select "IRQ7"
       (2-3) closed to select "IRQ5"

JP16: Interrupt select for COM1 port
JP16: (1-2) closed to select "IRQ4"
       (2-3) closed to select "IRQ3"

JP17: Interrupt select for COM2 port
JP17: (1-2) closed to select "IRQ3"
       (2-3) closed to select "IRQ4"