

**ASI-5105**  
**Multi Function I/O CARD**  
**User's Manual**

## **TRADEMARK**

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## 1. INTRODUCTION

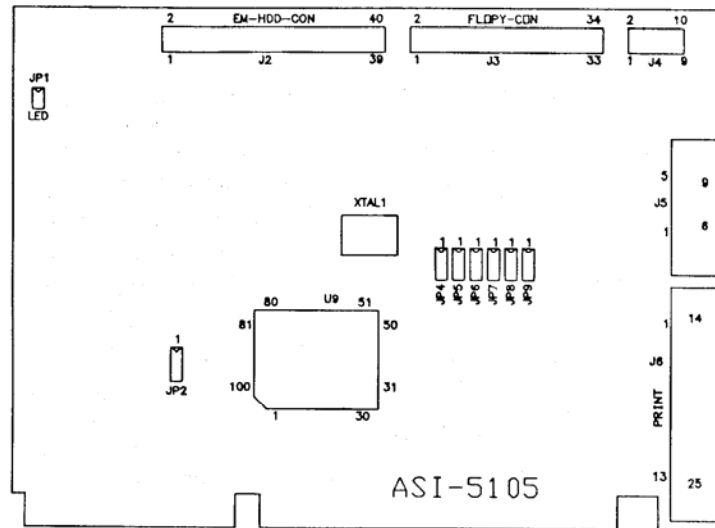
The ASI-5105 is a multi-function I/O card for IBM AT and AT compatible computers. ASI-5105 integrates the mostly used interface of I/O devices that AT and AT compatible computer used.

Each interface supported by ASI-5105 can be enabled or disabled through proper jumper setting some of which provide you to set different I/O address, so the ASI-5105 can be used on your computer with your existent I/O interface card without conflict.

### 1.1 Specifications

- two serial ports can be addressable and disabled
- one parallel port can be addressable and disabled
- one FDD interface support two FDDs and can be disabled
- one EHDI support two IDE drives and can be disabled
- configuring system by software or hardware

## 1.2 Layout



J2: EHDI connector  
J3: FDD connector  
J4: serial port  
J5: serial port  
J6: parallel port  
JP1 to JP9: Reference to section 2.2

## 2. INSTALLATION

### 2.1 System needed for installation

The user must prepare additional devices to install ASI-5105. These additional devices depend on what functions supported by ASI-5105 you want to use. These devices are:

- 5 1/4" or 3 1/2" FDD
- IDE driver
- Parallel communication device such as printer
- Serial communication device such as MODEM

### 2.2 Jumper Setting on ASI-5105

JP1: Fixed disk LED display

Jp2: If JP2 is short on 1-2, all the interfaces on ASI-5105 are enabled, don't care the setting of JP4 to JP9, and

J6 responds to LPT1

J5 responds to COM1

J4 responds to COM2

If JP2 is short on 2-3 all the interfaces on ASI-5105 are configured by JP4 through JP9. Following table illustrates all different configuration:

JP4	JP5	JP6	JP9	JP8	JP7	
						J6 responds to
						LPT1
						LPT0
						disable
						J5 responds to J4 responds to
						COM1 COM2
						COM1 disable
						COM2 COM1
						disable COM1
						disable COM2
						COM2 disable
						disable disable
						two FDDs connected to J3 are all enable
						two FDDs connected to J3 are all disable

\* 1  
top position is pin 1

## 2.3 Disable EHDI

If you want to use any HDD interface other than ASI-5105 just let EHDI daisy chain cable and J2 disconnect.

## 2.4 Procedure of installation

This section outlines procedures required prior to actual physical installation of ASI-5105 I/O card in your computer system.

## CAUTION

**BE SURE THAT THE POWER IS OFF BEFORE PERFORMING ANY HARDWARE CONFIGURATION CHANGE ON YOUR COMPUTER**

- \*1. Open the cover of your computer
- \*2. Remove bracket of blank slot which you want to insert ASI-5105
3. Connect any one of daisy chain cables to J2, J3, J4. If you want to use relative devices. Make sure that each cable's pin 1 be match to pin 1 of each relative connector.

4. Connect other end of daisy chain cable to your necessary devices.
5. Insert ASI-5105 into I/O expansion slot
- \*6. Secure ASI-5105 with bracket screw
7. Connect fixed disk drive activity LED in the front panel of your computer case (if any) to JP1
- \*8. Close the cover of your system
9. Connect any D-type connector of relative devices to J5 or J6
10. Connect relative devices to other end of cable with D-type connector
- \* Reference to your system manual for more detail information to do it

## **3. OPERATION**

### **3.1 Configuration of your computer**

Once you finished hardware installation of ASI-5105 I/O card, power on the system and enter SETUP program which provided by your computer system, select correct type and number of IDE drive and FDD.

### **3.2 Start to operation**

Save your configuration in your computer CMOS RAM and reboot computer so you can boot your system and start to operation.

## APPENDIX

### Glossary

COM1: The first serial port, port address range located at 3F8h-3FFh

COM2: The second serial port, port address range located at 2F8h-2FFh

LPT0: The first parallel port, port address range located at 3BCh-3BEh

LPT1: The second parallel port, port address range located at 378h-37Fh

EHDI: EHDI means Embedded Hard Disk Interface, is a interface circuit to IDE drive.

FDD: FDD means Floppy Disk Drive, a device used to read/write data on flexible disk

IDE: IDE means Integrated Drive Electronics, is a hard disk drive that embeded disk controller on disk drive assembly.

MODEM: MODEM means Modulator-Demodulator, an interface device used to utilize telephone line to transfer data between computers