

ICOP-6055A
PC/104 Multi-I/O Module
User' s Manual

(Versi on 2. 1)

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Chapter 0

Packing List

Function	Function	Package
ICOP-6055A	Muli-I/O Module	<ul style="list-style-type: none">● ICOP-6055A Multi-I/O PC/104 Module● FDD cable x 1● RS-232 cable X 2● Printer cable with bracket X 1

Chapter 1

Specifications

Features	ICOP-6055A
Chipset	ALi M5113
Bus Interface	PC/104 standard compliant
Floppy Controller Port	1
DiskOnChip Socket	1
Serial Port	2 (RS232/422/485 switchable)
Parallel Port	1
Power Requirement	+5V @320mA
Board Weight	100g
Board Size	96mm X 90 mm
Storage Temperature	-25 ~ +80°C
Relative Humidity	0 ~ 90% non-condensing
Operating Temperature	-20 ~ +60°C

Description

The ICOP-6055A is a high-speed Multi I/O module. It comes with two serial ports (RS232/422/485 switchable), one bi-directional printer port that supports SPP, ECP and EPP modes, a DiskOnChip socket and a floppy disk controller.

The ICOP-6055A's industrial grade reliability lets it operate continuously at temperatures up to 60° C. The ICOP-6055A can be setup using normal jumper settings or, when used together with the CPU Module, can be 100% configured in the BIOS setup

- Chipset: ALi M5113
- I/O configuration: by jumpers or in BIOS
- Bus interface: PC/104
- FDD interface: supports up to two FDD, 5¼" (360 KB and 1.2 MB) and / or 3½" (720 KB and 1.44 MB)
- Enhanced bidirectional parallel port: supports EPP/ECP/SPP
- Serial ports: two ports, RS232/422/485 jumper selectable. Both channels with 16C550 compatible UARTs with 16-byte FIFO for speeds up to 115.2 Kbps
- DiskOnChip: supports up to 144MB

Product Photo

ICOP-6055A



Chapter 2

Jumper Setting

UART IRQ Setting (JP1)

JP1	UART1	UART2
1-3, 2-4 *	IRQ4	IRQ3
3-5, 4-6	IRQ10	IRQ11

UART1 Setting (JP2)

UART1	1-2	3-4
DI SABLE	close	close
CCVB(3E8) *	close	open
CCV2(2F8)	open	close
CCVI(3F8)	open	open

UART2 Setting (JP3)

UART2	1-2	3-4
DI SABLE	close	close
CCVI(2E8) *	close	open
CCVI(3F8)	open	close
CCV2(2F8)	open	open

UART Setting (JP8)

Type	1-2	3-4	5-6	7-8
RS232 *	close	close	close	close
RS485	close	open	close	open
RS422	open	close	open	close
Di sabl e	open	open	open	open

LPT I/O Address Setting (JP4)

LPT	1-2	3-4
Disable	close	close
LPT3(3BC)	close	open
LPT1(378)	open	close
LPT2(278) *	open	open

LPT Mode Setting (JP5)

LPT	1-2	3-4
SPP MODE *	close	close
EPP MODE	close	open
ECP MODE	open	close
ECP+EPP	open	open

Floppy Controller Setting (JP6)

FDC	1-2
Disable	close
Enable *	open

DiskOnChip Address Setting (JP7)

DOC address	1-2	3-4	5-6
C800H (8K)	close	close	close
CC00H (8K)	close	close	open
D000H (8K) *	close	open	close
D400H (8K)	close	open	open
D800H (8K)	open	close	close
DC00H (8K)	open	close	open
NVSRAM C800H (32K)	open	open	close
NVSRAM D000H (128K)	open	open	open

Chapter 3

Connect or s

CONT1	FDC Connector
CONT2	64-pin PC/104 bus
CONT3	40-pin PC/104 bus
CONT4	Printer Port
CONT5	UART1
CONT6	UART2
CONT7	RS485
CONT8	RS485

Chapter 4

Installation of DiskOnChip

Installation Instructions

1. Make sure the system is powered OFF
2. Plug the DiskOnChip 2000 device(s) into its socket. Verify the direction is correct (pin 1 of the DiskOnChip 2000 is aligned with pin 1 of the socket)
3. Set address for DiskOnChip device (JP7)
4. Power up the system
5. During power up you may observe the messages displayed by the DiskOnChip 2000 when its drivers are automatically loaded into system's memory
6. At this stage the DiskOnChip 2000 can be accessed as any disk in the system
7. If the DiskOnChip 2000 is the only disk in the system, it will appear as the first disk (drive C: in DOS)
8. If there are more disks besides the DiskOnChip 2000, the DiskOnChip 2000 will appear by default as the last drive, unless it was programmed as first drive. (Please refer to the DiskOnChip 2000 utilities user's manual)
9. If you want the DiskOnChip 2000 to be a bootable device. (i) Copy the operating system files into the DiskOnChip by using the standard DOS command (for example: sys d:) (ii) The DiskOnChip should be the only disk in the systems or should be configured as the first disk in the system (c:) using the DUPDATE utility

For more information on DiskOnChip2000 technology, visit M-Systems Website <http://www.m-sys.com> where you can find Utilities Manual, Data Sheets and Application Notes. In addition, you can find the latest DiskOnChip 2000 S/W Utilities.

Warranty

This product is warranted to be in good working order for a period of one year from the date of purchase. Should this product fail to be in good working order at any time during this period, we will, at our option, replace or repair it at no additional charge except as set forth in the following terms. This warranty does not apply to products damaged by misuse, modifications, accident or disaster. Vendor assumes no liability for any damages, lost profits, lost savings or any other incidental or consequential damage resulting from the use, misuse of, or inability to use this product. Vendor will not be liable for any claim made by any other related party. Return authorization must be obtained from the vendor before returned merchandise will be accepted. Authorization can be obtained by calling or faxing the vendor and requesting a Return Merchandise Authorization (RMA) number. Returned goods should always be accompanied by a clear problem description.