

FCC WARNING

This equipment generates, uses, and can radiate radio frequency energy. If not installed and use in accordance with the instructions in this manual, it may cause interference to radio communications. It has been tested and found to comply with the limits for a class B computing device pursuant to subpart J of part 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a residential environment.

If this equipment does cause interference to radio or television reception which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Relocate the equipment with respect to the receiver
- Move the equipment away from the receiver
- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal communications helpful: How to identify and resolve radio-TV interference problems. This booklet is available from the U.S. Government printing office, Washington DV 20402, stock number 004-000-00345-4.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. It is the responsibility of the user to correct such interference.

AT MULTI I/O

MODEL : CA8201 / CA8202

User's Manual

FEATURES

- Two serial ports JP3 and JP4 (second serial optional for model CA8201).
- COM1 or COM3 and COM2 or COM4, IRQ2 to IRQ5 selectable for either serial port.
- One parallel printer port-DB-25 (female), configurable as LPT1 (378) or LPT2 (278).
- One game port DB-15 (female).
- All ports have enable / disable switch.

INSTALLATION

- Turn off the power of your entire system, including all connected peripherals.
- Remove the cover of your computer and the brackets of two vacant expansion slots.
- Make sure that jumpers of the AT I/O are set correctly. Connected the first and second serial cables to JP3 and JP4 respectively.
- Plug the AT I/O into the empty expansion slot and screw the bracket to secure it. Insert and screw in the serial port bracket(s).
- Replace the cover of your computer and the installation procedure is now completed.



To install the optional second serial port of CA8201, insert the following I.C. into the correspondent I.C. sockets as below:

IC	Socket
1488	U9
1489	U10
82450	U5

Never plug in the game port cable, the printer cable or the serial cable when the power is on. Otherwise, this may cause damage to your card.

JUMPER SETTINGS

PORTS SELECTION JPI

JUMPER	PINS SHORTED		FUNCTION
1 - 2 (1st serial)	1	2	*COM1 (3F8) selected COM3 (3E8) selected 1st serial port disable
	B	B	
	A	B	
	X	A	
3 - 4 (2nd serial)	3	4	*COM2 (2F8) selected COM4 (2E8) selected 2nd serial port disable
	B	B	
	A	B	
	X	A	
5 - 6 (Printer port)	5	6	*LPT1 (378) selected LPT2 (278) selected Printer port disable
	B	B	
	A	B	
	X	A	
7 (Game port)	B A		*Game port enable Game port disable

INTERRUPT LEVEL JP2 & JP5

PORT	JUMPER	PINS SHORTED	INTERRUPT LEVEL
Printer	JP2	7	*IRQ7
		5	IRQ5
1st Serial	JP5A	2	IRQ2
		3	IRQ3
		4	*IRQ4
		5	IRQ5
2st Serial	JP5B	2	IRQ2
		3	*IRQ3
		4	IRQ4
		5	IRQ5

Remarks: "X" stands for don't care and "*" stands for the default setting.

PIN ASSIGNMENTS

SERIAL PORT (JP3 & JP4)

SIGNAL NAME	PIN NO.	PIN ON CABLE
CN (IN)	1	8
RX (IN)	2	3
TX (OUT)	3	2
DTR (OUT)	4	20
SG	5	7
DSR (IN)	6	6
RTS (OUT)	7	4
CTS (IN)	8	5
RI (IN)	9	22

PARALLEL PRINTER PORT (P2)

FUNCTION	PIN ON DB-25 (FEMALE)	PIN ON CABLE
STROBE (-)	1	1
D0	2	2
D1	3	3
D2	4	4
D3	5	5
D4	6	6
D5	7	7
D6	8	8
D7	9	9
ACK (-)	10	10
BUSY	11	11
P.E.	12	12
SELECT	13	13
AUTO FEED (-)	14	14
ERROR (-)	15	32
INITIALIZE (-)	16	31
SELECT INPUT (-)	17	36
GROUND	18-25	16, 19-30, 33
NC		15, 18, 34

GAME PORT (PI)

LINE NAME	DB-15 (FEMALE)
+5VDC	1
BUTTON 4	2
POSITION 0	3
GROUND	4
GROUND	5
POSITION 1	6
BUTTON 5	7
+5VDC	8
+5VDC	9
NC	10
NC	11
GROUND	12
NC	13
NC	14
+5VDC	15

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All the information inside this manual represents the best of our knowledge. We may have erroneous information and we reserve the right to change the specifications without prior notice.

PCB LAYOUT

