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.

NOTES 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 JP1

JUMPER	PINS SHORTED		FUNCTION
1 - 2 (1st serial)	1	2	
	B	B	*COM1 (3F8) selected
	A	B	COM3 (3E8) selected
	X	A	1st serial port disable
3 - 4 (2nd serial)	3	4	
	B	B	*COM2 (2F8) selected
	A	B	COM4 (2E8) selected
	X	A	2nd serial port disable
5 - 6 (Printer port)	5	6	
	B	B	*LPT1 (378) selected
	A	B	LPT2 (278) selected
	X	A	Printer port disable
7 (Game port)	B		*Game port enable
	A		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 (P1)

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