

FEATURES

- Two serial ports JP1 and JP2
- COM1 to COM3 and COM2 to 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. Connect the first and second serial cables to JP1 and JP2 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.

JUMPER SETTINGS

PORTS SELECTION JP3

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

INTERRUPT LEVEL JP4 & JP5

PORT	JUMPER	PINS SHORTED	INTERRUPT LEVEL
Printer	JP5	1	IRQ5
		2	*IRQ7
1st Serial	JP4A	1	IRQ3
		2	*IRQ4
		3	IRQ5
		4	IRQ2
2st Serial	JP4B	1	*IRQ3
		2	IRQ4
		3	IRQ5
		4	IRQ2

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

PIN ASSIGNMENTS

SERIAL PORT (JP1 & JP2)

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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PCB LAYOUT

