

PPC-100 Manual User's Notice

Thank you for purchasing Advantech's PPC-100 series product. The following user's notice will correct or clarify several incorrect or confusing jumper settings and function descriptions in the manual. All mistakes and omissions in the PPC-100 manual are covered in this user's notice. Information about the two newest member of the PPC-100 series; PPC-100S and PPC-100M, is also described in this notice.

Touchscreen and COM1

The panel PC with the optionally installed touchscreen will share COM1. Once the touchscreen is installed, COM1 cannot be used for other purposes.

Peripheral Power Input (CN5)

Pin	Function	Pin	Function
1	-12 V	2	GND
3	-5 V	4	GND

Utility Disk

Directories and files on the utility disk (on page 48 of the user's manual) are changed as follows. The PPC-100's on-board Boot ROM has been written to the CMOS BIOS chip. Enter the BIOS setup program and choose the "LAN Card Boot ROM" option from the "CHIPSET FEATURES SETUP" menu, and check "Enabled" or "Disabled" depending upon your needs.

—	Readme
—	SSD
—	BIOS
—	4865MONO
—	4865STN
—	4865TFT
—	AWDFLASH.EXE

LCD Specifications

Although there is no description about PPC-100S in the PPC-100 user's manual, there are very few difference between PPC-100S and PPC-100T. They are similar to the PPC-100T and their general specification , standard PC function, solid state disk function, local-bus flat panel/VGA interface, Ethernet controller, I/O ports, touchscreen, environment, system setup, motherboard, software configuration are identical. You can use this manual to assemble or setup your PPC-100T, PPC-100S, and PPC-100M series.

MODEL	PPC-100T	PPC-100S	PPC-100M
Display type (LCD)	10.4" TFT color	10.4" STN	10.4" MONO
LCD model	Toshiba LTM10C209A or compatibles	Kyocera KCB6448BSTT-X5 or compatibles	Sharp LM64P89 or compatibles
Max. resolution	640 x 480	640 x 480	640 x 480
Colors	256K colors	64K colors	64 gray scale levels
Dot size (mm)	0.33 x 0.33	0.33 x 0.33	0.33 x 0.33
View angle	90°	90°	50°
Luminance	250 cd/m ²	130 cd/m ²	50 cd/m ²
Temperature	0° ~ 50° C	0° ~ 45° C	0° ~ 45° C
VR controls	N/A	*Contrast	*Contrast
Simultaneous mode	Yes	Yes	Yes
LCD MTBF	50,000 hours	50,000 hours	50,000 hours
Backlight MTBF	20,000 hours	25,000 hours	10,000 hours

* VR control knob is located on the upper right rear cover of the PPC-100M/S. Use a screwdriver to adjust the contrast VR of the LCD display.

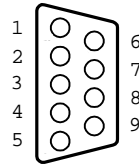
Jumper Settings

Item	Original Setting	New Setting	Reference
LAN Boot ROM	Enable	Disable	BIOS setup
The printer port	LPT2, IRQ5	LPT 1, IRQ 7	Hardware Default
Parallel Port Mode	SPP Mode	EPP Mode	Page 44
COM2(J8,J9,J16,J17,-J18)	RS-485	RS-232	Page 41

COM1/COM2/COM4 RS-232 serial port

COM1/COM3/COM4 RS-232 serial port

Pin	Signal
1	DCD
2	RxD
3	TxD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI



COM2 RS-232/422/485 serial port

COM2 RS-232/422/485 serial port

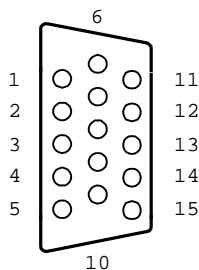
Pin	RS-232	RS-422	RS-485
	Signal	Signal	Signal
1	DCD	TxD-	Data-
2	RxD	RxD-	Data-
3	TxD	TxD+	Data+
4	DTR	RxD+	Data+
5	GND	GND	GND
6	DSR	DSR	DSR
7	RTS	RTS	RTS
8	CTS	CTS	CTS

In a typical RS-485 application, the host device requests data from a slave module that listens for the response. The host transmits and receives data on the same pair of wires. Software handles the flow control; no other wires are needed. Pin assignments appear in the table. Pins 1 and 4 share the Data- wire. Pins 2 and 3 share the Data+ wire.

VGA connector

VGA connector

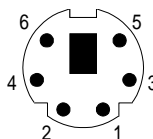
Pin	Signal
1	RED
2	GREEN
3	BLUE
4	N/A
5	GND
6	GND
7	GND
8	GND
9	N/A
10	GND
11	N/A
12	N/A
13	HSYNC
14	VSYNC



Keyboard connector

Keyboard connector

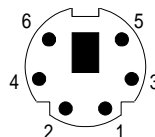
Pin	Signal
1	KB_DT
2	N/A
3	GND
4	+5 V
5	KB_CK
6	N/A



Mouse connector

Mouse connector

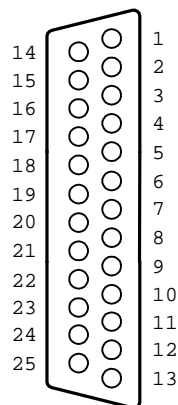
Pin	Signal
1	MS_DT
2	N/A
3	GND
4	+5 V
5	MS_CK
6	N/A



Parallel port connector

Parallel port connector

Pin	Signal
1	STROBE*
2	D0
3	D1
4	D2
5	D3
6	D4
7	D5
8	D6
9	D7
10	ACK*
11	BUSY
12	PE
13	SLCT
14	AUTOFD*
15	ERR*
16	INIT*
17	SLCTINI*
18	GND
19	GND
20	GND
21	GND
22	GND
23	GND
24	GND
25	GND



* Active low