

PPC-102

Pentium® MMX Panel PC
with 10.4" LCD Display



Full Function Multimedia Panel PC

The PPC-102 Panel PC is a PC-based LCD computer that is designed to serve as a human-machine interface and a multimedia platform. It includes a 10.4" LCD display, on-board Ethernet and multiple COM ports. A powerful Pentium® MMX CPU, an on-board Sound Blaster chipset and an audio interface provide multimedia capabilities. It is an excellent choice for both industrial and commercial needs.

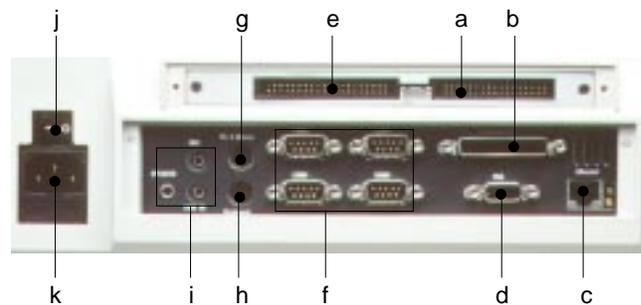
Features

- 586 all-in-one PC board, supporting up to Pentium® 233 MHz MMX and AMD K6 processors
- Up to 128 MB DRAM memory
- 10.4" color SVGA LCD display
- IP65 front panel protection
- Ethernet 100/10Base-T port
- 4 serial ports, 1 parallel port
- Built-in 16-bit Sound Blaster Pro compatible controller with microphone in, line in and speaker out interface
- Adjustable watchdog timer with period of up to 63 seconds
- Built-in 65 W power supply
- 512 KB solid state disk (SSD) / DiskOnChip® 2000 (DOC) up to 24 MB
- Lithium battery backup for CMOS

Diverse Applications

- Entertainment management systems
- Medical and health information systems
- Point of sale (POS)
- Terminal information systems
- Car-park automation
- Production process control
- PLC operator interface
- Factory automation systems

Fully Integrated I/O



- a. FDD port
- b. Parallel port
- c. Ethernet port
- d. VGA port
- e. Secondary IDE port
- f. 4 serial COM ports
- g. PS/2 mouse connector
- h. Keyboard connector
- i. Mic-in/Line-in/Speaker out ports
- j. Power switch
- k. AC inlet

Note: All features and specifications are subject to change without notice.

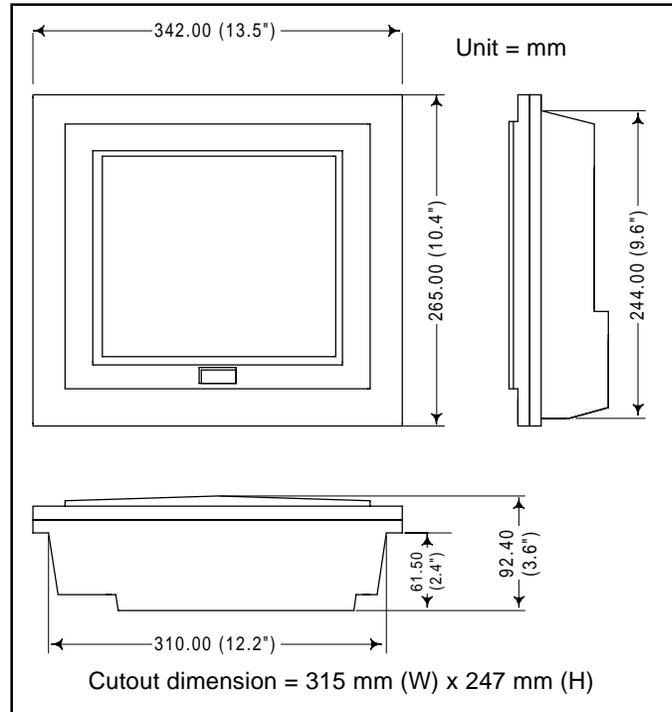
Specifications

Model	PPC-102T	PPC-102S	
CPU	Supports up to Pentium® MMX 133 ~ 233, AMD K6		
Memory	Accepts 8/16/32/64/128 MB DRAM		
LCD	Display	10.4" TFT	10.4" DSTN
	Resolution	800 x 600	640 x 480
	Colors	256K	256K
	Dot size (mm)	0.33 x 0.33	0.33 x 0.33
	Luminance	250 cd/m ²	130 cd/m ²
Size	342 mm x 265 mm x 61.5 mm		
Weight	3.5 kg (7.7 lbs)		
Power supply	65 W Input voltage: 100 ~ 250 V _{AC} @ 47 ~ 63 Hz Output voltage: +5 V @ 5 A, +12 V @ 3 A		
Front panel	IP65		
Touchscreen	Analog resistive (optional)		
HDD	2 EIDE ports (internal and external connectors)		
FDD	Supports 1.2/1.44/2.88 MB FDD		
SSD	512 KB Flash or DOC 2000 up to 24 MB (optional)		
Network (LAN)	100/10Base-T auto-sensing interface		
I/O ports	4 serial ports: three RS-232 and one RS-232/422/485		
	1 parallel port (supports SPP/EPP/ECP)		
	1 PS/2 keyboard port		
	1 PS/2 mouse interface		
	Mic-in, line-in and speaker out		
Audio function	16-bit Sound Blaster Pro compatible		

Environment

- **Temperature:** 0° to 45° C (32° to 113° F)
- **Relative humidity:** 10 to 95% @ 40° C (non-condensing)
- **Safety:** Meets UL/CSA/TÜV
- **Certification:** Meets FCC Class A, CE
- **LCD MTBF:** 50,000 hours
- **Backlight MTBF:** 20,000 hours
- **Power MTBF:** 50,000 hours

Dimensions



Ordering Information

Panel PCs

- PPC-102T/Bare**
Panel PC with 10.4" TFT SVGA LCD display
- PPC-102S/Bare**
Panel PC with 10.4" STN VGA LCD display

* The above items do not include CPU, DRAM, hard disk drive and operating system software. You will need to order these items separately according to your desired system configuration.

Option Modules

- Option 100-200MMX/32M/1.6G**
Integrated with Pentium® 200 MMX CPU, 32 MB DRAM and 2.5" 1.6 GB HDD
- Option 100-166MMX/16M/1.6G**
Integrated with Pentium® 166 MMX CPU, 16 MB DRAM and 2.5" 1.6 GB HDD
- Option 112 - 10.4" T/S**
Integrated with 10.4" resistive touchscreen

* If you would like to customize your own option module, please contact your local sales representative or distributor for more information.