PPC-120 Touch Panel PC
Panel- and VESA-mountable Panel PC with PCI Slots

Features

» *Panel-mount or VESA-mount industrial computer with full PC function, RoHS compliant.*

» *Intel® socket M mobile processor Core 2 Duo.*

» *15", 17" and 19" resistive touch screen LCD monitor with anti-reflective surface.*

» *Dual 10/100/1000 Base-T ethernet connectivity.*

» *Supports two PCI add-on cards.*

» *250GB hard drive and DVD optical drive standard.*

Full Function PC

The PPC-120 is a series of Intel® mobile CPU based panel PCs designed to serve as a friendly human-machine interface for easy integration into any space-constricted embedded applications. It provides full PC functionality within its compact chassis. Coupled with its multi-I/O and expansion capability, it stands ready to accommodate a wide range of PC peripherals for a host of applications such as operator panels, information terminals, point-of-sales and point-of-service PCs.

Touch Screen Options

The PPC-120 offers three LCD sizes to choose from. Each is available with a resistive touch screen. System integrated features include dual Ethernet, USB 2.0, and RS232 interfaces. Its storage devices include floppy drive, optical disc drive and 3.5" SATA 300Gb/s hard drive. And if additional functions are required, two PCI expansion slots are available for add-on cards.

Panel-mount Options

The PPC-120 is designed for eith panel- or VESA-mounting to fit different installation requirements. Its IP-65 water/dust proof front panel makes it a fine choice for operation in hostile environments.

PPC-120 Touch Panel PC
Technical Specifications

Physical Specifications

Chassis	Heavy duty steel chassis with aluminum front bezel.
Ingress Protection Rating	NEMA 4 front bezel (IP65).
Mounting Option	Panel-mount, VESA mount.
Dimensions	15" LCD: 17.6"(W) x 14.6(H) x 3.9"(D)
	17" LCD: 19.1"(W) x 16.5(H) x 4.1(D)
	19" LCD: 20.6"(W) x 17.7"(H) x 4.2(D)
Protrusion	Aluminum bezel: 0.39"
	Metal bezel: 0.09"
Weight	15" LCD model approximately 20 lbs. assembled.

System Specifications

CPU	Intel sockt M mobile processors Core 2 Duo, Core Duo, Celeron M.
Main Memory	Up to 4GB DDR2-533/667 SDRAM via 2 240-pin sockets.
Video Controller	Integrated Intel Graphics Media Accelerator (GMA950), up to 224MB shared system memory. Support dual display mirroring/multiple mode.
Touch Screen	Analog resistive.
LAN Connectivity	Dual Realtek RTL811IB 10/100/1000 Base-T fast ethernet. Optional 802.11g wireless LAN.
Audio	Realtek AC97 Codec ALC203.
Watchdog Timer	64-level intervals.
I/O Ports	4 serial ports, one reserved for touch screen (3 RS232, 1 RS232/485). +5V/12V output on pin 9.
	8 USB 2.0 ports, 4 on I/O panel, 4 on internal header connectors.
	1 VGA interface for second display.
	1 line-out, 1 mic-in jacks.
Storage	1 ATA-33 IDE connector.
	2 SATA-300 connectors.
	1 Floppy disk drive connector
Expansion Slot	2 PCI slots supporting PCI cards with maximum card length of approx. 8.5".
Power	180 watt auto-sensing ATX power supply, 100~240VAC @ 50~60Hz.

Environmental, Safety

ESD/EMI/EMC/Safety	UL, CE, FCC Class B.
Operating Temperature	32 ~122 °F
Storage Temperature	-40 ~158 °F

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PPC-120 Touch Panel PC
Technical Specifications

Base System Configuration

CPU	Intel Core 2 Duo mobile processor T5600, 1.83GHz.
Main Memory	2GB DDR2 SDRAM.
Video	Intel chipset integrated graphics (GMA950). Support external monitor through VGA port.
Touch Screen	Analog resistive.
LAN Connectivity	Dual Realtek RTL811IB 10/100/1000 Base-T fast ethernet.
Audio	Realtek AC97 Codec ALC203.
Watchdog Timer	64-level intervals.
I/O Ports	4 serial ports, one reserved for touch screen (3 RS232, 1 RS232/485). +5V/12V output on pin 9.
	8 USB 2.0 ports, 4 on I/O panel, 4 on internal header connectors.
	1 VGA interface for second display.
	1 line-out, 1 mic-in jacks.
Storage	250GB SATA hard drive.
	Slim-type DVD +/- RW optical disk drive.
Expansion Slot	2 PCI slots supporting PCI cards with maximum card length of approx. 8.5".
Power	180 watt auto-sensing ATX power supply, 100~240VAC @ 50~60Hz.

Options

LCD	15", 17", 19" LCD monitor.
CPU	Core 2 Duo T7400, 2.16GHz.
	Celeron M 1.86GHz/533MHz
	Core Duo T2300E, 1.66GHz
Storage	320GB, 500GB, 750GB, 1TB SATA 300Gb/s, 7200 RPM hard drives, SSD.
Wireless LAN	802.11g wireless LAN.