

PPC-1702

17" Industrial Panel PC



Features

- 17" high-brightness TFT LCD, touch screen available (optional)
- High integrated, built-in ultra-slim CD-ROM and hard disk
- Intel® Celeron® M 600MHz processor, optional Celeron® M 1.5G
- 2 x 184-pin DDR DIMM slot (optional up to 1GB)
- Supports 4 x USB2.0, 4 x COM, 1 x LPT, 1 x LAN, 1 x TV-out, 1 x PS/2 port (KB/MS)

Specifications

Display Features

Display Screen	17" high-brightness TFT LCD
Display Chipset	Intel® 852GM integrated graphics acceleration controller
Dual Display	Supports CRT+LVDS, LVDS+TV dual-display
Resolution	1280 x 1024
Brightness	300cd/m@7.5mA
Viewing Angle	160° (H)/160° (V)
Support Color	16.2 M(RGB 8-bits+FRC Data) colors
Contrast Ratio	800:1
Response Time	5 ms
Backlight MTBF	50000 hrs
Touch Screen	Optional touch screen(RS-232 interface)

System

SBC Model	EC5-1714CLDNA
Processor	Onboard Intel® Centrino core™ 400MHz FSB ULV Celeron® M CPU, Celeron® M 600MHz processor, Celeron® M 800M/1.5G (optional)
Chipset	Intel® 852GM+ICH4
Memory	2 x 184-pin DIMM slot, supporting up to 1GB DDR memory
Hardware Monitor	Monitors CPU temperature, voltage and watchdog timer, etc.
Watchdog Timer	Software programmable supports 1~255 sec./min. timer system reset/interrupt
Expansion Interface	1 x PICMG PCI, expandable to 2 x PCI(optional expansion box)
Storage	1 x 40GB hard disk, 80G (optional), 1 x CompactFlash Socket Type III (reserved), 1 x DOC interface(reserved), 1 x ultra-slim and 24 x CD-ROM

Ethernet

Chipset	Intel® EP82562ET
Speed	10/100Mbps
Connector	1 x RJ45

I/O Interface

USB	4 x USB2.0 port, 2 x USB port on the rear panel and 2 x USB port on the front panel
Serial Port	1 x RS-232/422/485(optional), 3 x RS-232 (COM4 reserved for touch screen), available interfaces of 4 x DB9 at the rear panel
Parallel Port	1 x LPT interface
KB/MS	1 x PS/2 port (KB/MS)
TV-OUT	1 x TV-OUT port
VGA	1 x VGA port
Audio	AC'97, available interfaces of Speaker-out, Mic-in on the rear panel

Mechanical and Environmental

Dimensions	441.00mm(W) x 355.00mm(H) x 93.00mm(D)
Weight	N/A
Reliability	MTBF ≥ 30000h; MTTR ≤ 0.5h
Safety	EN 60950/IEC 60950
Operating Temperature	-5°C~50°C
Storage Temperature	-20°C~60°C
Operating Humidity	20%~93%, non-condensing

Power

Power Supply	180W ATX power supply with PFC
Power Consumption	Typical 37.5W (Intel® Celeron® M processor 600MHZ, 256MB memory, 17" TFT LCD)

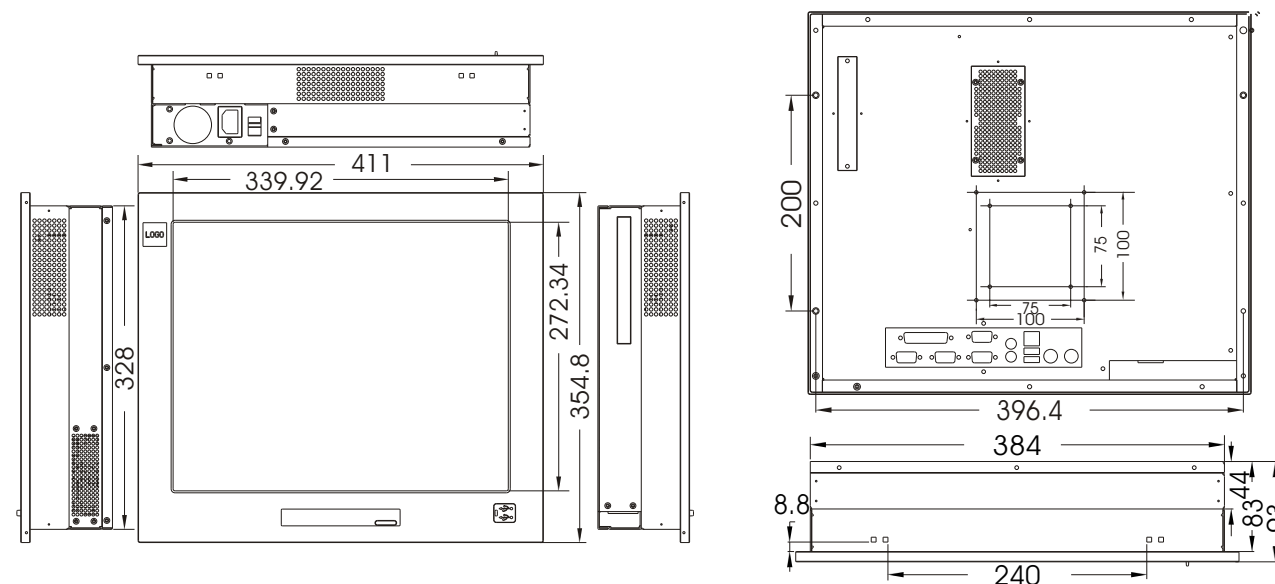
Operating System

Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux/XP Embedded/WinCE

Test

Vibration	5-17Hz/1.0mm amplitude, 17-200Hz/1.0g acceleration
Shock	10g peak acceleration(11ms duration)
EMC/EMI	GB9254-1998 class A

Dimensions



Available Accessories

Part Number	Name	Description	Qty.
	User's Manual/RoHS	PPC-1702	1
	Setup Guide/RoHS	AMI/BIOS Setup Guide (for Core/8)	1
	User's Manual/RoHS	EC5-1714CLDNA	1
	Driver CD/Protective film/RoHS	EC5-1714CLDNA	1
2360-003671	AC power cable/RoHS	Length: 1500mm/USA standard/821	1
2360-005031	Y-cable for keyboard and mouse/RoHS	One Mini-DIN port to two PS/2 ports, length: 250mm/RoHS	1
2360-002191	Power cable/RoHS	4 Pin male + 4 Pin female to 4 Pin female connectr, length: 150mm	1
2391-000491	Screw/RoHS	Countersunk head M3x6/thickness 1.5mm/GB-T819-1985	4
2391-001721	Screw/RoHS	Pan head M4x55/MP/4x55-Czn/GB-9074.1-88	4
2391-002041	Screw/RoHS	Countersunk head M5x6/head Φ6.8/GB-T819-1985	4
2330-000041	Jumper	2.54mm pitch, blue Wieson	6
1479-000521	Mounting bracket/1501/RoHS	Blank/55x40x1.2	4
2401-000201	Accessories box/RoHS	370x155x40/250g+w9	1

Ordering Information

Part Number	Model Number	Description
0010-005931	PPC-1702	Panel PC (Complete PC)/RoHS: Celeron-M 600M/512M/40G/EC5-1714CLDNA/180W with PFC industrial power supply/PPC-1702
0010-005961	PPC-1702-1.5G	Panel PC (Complete PC)/RoHS: Celeron-M 1.5G/512M/40G/EC5-1714CLDNA/180W with PFC industrial power supply/PPC-1702
0010-005991	PPC-1702/no TV-out EB	Panel PC (Complete PC)/RoHS: Celeron-M 600M/512M/40G/EC5-1714CLDNA/180W with PFC industrial power supply/PPC-1702/no TV-out
0010-005921	PPC-1702T	Panel PC (Complete PC)/RoHS: Celeron-M 600M/512M/40G/EC5-1714CLDNA/180W with PFC industrial power supply/PPC-1702/with TV-out
0010-005971	PPC-1702T-1.5G/touch screen	Panel PC (Complete PC)/RoHS: Celeron-M 1.5G/512M/40G/EC5-1714CLDNA/180W with PFC industrial power supply/PPC-1702/touch screen
0020-037751	PPC-1702-1.5/no power supply/no backplane	Panel PC (empty)/RoHS: Celeron-M 1.5G/512M/40G
0020-032141	PPC-1702/no power supply/no backplane	Panel PC (empty)/RoHS: PPC-1702/no power supply/no backplane
0020-011781	PPC-1702/no power supply/no backplane/no TV-out EB	Panel PC (empty)/RoHS: PPC-1702/no TV-out