

PPC-125 Series Fanless Touch Screen PC

Panel- and VESA-mountable Industrial Panel PC

Features

- » *Compact and fanless industrial touch screen computer with full PC function; RoHS compliant.*
- » *Anodized aluminum bezel with IP-65 rating. Wall, panel and VESA mountable for wall, swing-arm installation.*
- » *Low power consumption Intel single-, dual-, and quad-core processors.*
- » *15"/17" touch screen LCD monitors with anti-reflective surface.*
- » *Full PC input/output equipped system board with Gigabit LAN, USB, serial, parallel, audio, VGA ports.*

The PPC-125 series is a compact, fanless touch screen PC 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 ultra slim metal enclosure. Coupled with its multi-I/O support, the PPC-125 touch panel PC is ideal for a host of applications such as operator interface, information terminals and point-of-service PCs.

The PPC-125 is designed for energy efficiency. It uses an Intel low power consumption processor. Its fanless design offers noise-free operation, low power consumption, high reliability, and reduction of airborne particles being drawn into the enclosure. The chassis is design for efficient heat dissipation.

The PPC-125 touch panel PC supports a range of touch screen types from 15" to 17", single point touch or multi-touch. System integrated features include USB, Gigabit LAN, VGA, and multiple serial ports. Its storage devices includes an internal 2.5" SATA hard drive and optional CompactFlash card module or PCIe expansion.

The PPC-125 panel PC is designed for wall, panel, or VESA mounting to fit different installation requirements. An anodized aluminum bezel is machined for panel-mounting, and provides environmental protection. VESA mounting holes on its back side let you install the PC on wall-mount, swing-arm mount hardware.



PPC-125F with Intel Celeron J1900 Quad-core CPU

Technical Specifications

Physical Specifications

<i>Enclosure</i>	Aluminum housing with aluminum front bezel. Aluminum housing used as heat sink for processor and system heat dissipation. Aluminum front panel with seal is NEMA 4 (IP65) ingress protection rated.
<i>Dimensions</i>	15": 392(w) x 302(H) x 76(D) mm 17": 425(w) x 344(H) x 82 (D) mm
<i>Weight</i>	15"/17" models weigh approximately 12/16 lbs. respectively.

System Specifications

<i>CPU</i>	Mini-ITX main board with Intel® Celeron J1900 processor (2.0GHz/1M cache).
<i>Main Memory</i>	Two 204-pin SO-DIMM sockets support up to 8GB DDR3 SDRAM.
<i>Video Controller</i>	Chipset integrated Intel Gen7 Graphics DX11,OGL3.2.
<i>Touch Screen</i>	Analog resistive single -point or, Capacitive 10-point multi-touch.
<i>LAN Connectivity</i>	Two Realtek RTL8111G 10/100/1000 Base-T fast ethernet.
<i>Audio</i>	Integrated Realtek ALC662 HD audio codec.
<i>I/O Ports</i>	3xDB-9 (Com1,2,3). RS-232/422/485 selectable via BIOS setting (default RS-232). All COM ports are 5V and 12V selectable via jumper setting (default no power). Two USB 2.0 ports, two USB 3.0 ports. 2 RJ-45 ethernet jack. 2 PS2 keyboard port. 1, HDMI, 1 VGA ports for external monitor. 1 line-out, 1 mic-in audio jacks.
<i>Expansion</i>	mini-PCIe slot (half size; used for PCI Express mini cards). mini-SATA slot (full size, shared with the SATA2_2 port; used for mSATA cards). PCIe x1 slot.mini-SATA slot (full size, shared with the SATA2_2 port; used for mSATA cards).
<i>Storage</i>	2 SATA -300 connector.
<i>Power</i>	DC 12V (84 watt AC adapter).

Environmental, Safety

<i>ESD/EMI/EMC/Safety</i>	CE, FCC, RoHS
<i>Operating Temperature</i>	Operating temperature: 0 ~ 40°C (32 ~ 104°F).
<i>Storage Temperature</i>	-20 ~ 60°C.

PPC-125E with Intel Atom D525 Dual-core CPU

Technical Specifications

Physical Specifications

<i>Enclosure</i>	Aluminum housing with aluminum front bezel. Aluminum housing used as heat sink for processor and system heat dissipation. Aluminum front panel with seal is NEMA 4 (IP65) ingress protection rated.
<i>Dimensions</i>	15": 392(w) x 302(H) x 76(D) mm 17": 425(w) x 344(H) x 82 (D) mm
<i>Weight</i>	15"/17" models weigh approximately 12/16 lbs. respectively.

System Specifications

<i>CPU</i>	Mini-ITX main board with Intel® Atom™D525 processor (1.8GHz/1M cache). Intel ICH8M chipset.
<i>Main Memory</i>	Two 204-pin SO-DIMM sockets support up to 4GB DDR3 SDRAM.
<i>Video Controller</i>	Chipset integrated Intel Gen 3.5 + GFX Render Core 400MHz graphics controller.
<i>Touch Screen</i>	Analog resistive.
<i>LAN Connectivity</i>	Realtek RTL8111E 10/100/1000 Base-T fast ethernet. Optional 802.11 b/g/n wireless LAN.
<i>Audio</i>	Integrated Realtek ALC662 audio codec.
<i>I/O Ports</i>	6 RS232 serial ports. Support 5V/12V select. COM1-3 & COM5 on external D-Sub 9-pin connectors, COM4 on RJ50-10P10C jack, COM6 reserved for touch screen. 8 USB 2.0 ports (4 on I/O panel, 2 on internal header connector, 2 reserved for WiFi & MSR). 1 RJ-45 ethernet jack. 1 PS2 keyboard port. 1 VGA interface for external monitor. 1 line-out audio jack.
<i>Storage</i>	1 SATA -300 connector.
<i>Power</i>	DC 12V (84 watt AC adapter).

Environmental, Safety

<i>ESD/EMI/EMC/Safety</i>	CE, FCC, RoHS
<i>Operating Temperature</i>	Operating temperature: 0 ~ 40°C (32 ~ 104°F).
<i>Storage Temperature</i>	-20 ~ 60°C.



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PPC-125D Intel Atom N270 CPU

Technical Specifications

Physical Specifications

<i>Enclosure</i>	Aluminum housing with aluminum front bezel. Aluminum housing used as heat sink for processor and system heat dissipation. Aluminum front panel with seal is NEMA 4 (IP65) ingress protection rated.
<i>Dimensions</i>	15": 392(w) x 302(H) x 76(D) mm 17": 425(w) x 344(H) x 82 (D) mm
<i>Weight</i>	15"/17" models weigh approximately 12/16 lbs. respectively.

System Specifications

<i>CPU</i>	Mini-ITX main board with Intel® Atom™ N270 processor (1.6GHz / FSB 533MHz). Intel i82945GSE + ICH7M chipset.
<i>Main Memory</i>	Two 240-pin DIMM sockets support up to 2GB DDR2 SDRAM.
<i>Video Controller</i>	Chipset integrated GMA950 graphics controller, shared system memory up to 224MB, support dual display mirroring/multiple mode.
<i>Touch Screen</i>	Analog resistive.
<i>LAN Connectivity</i>	Dual Realtek RTL8111B 10/100/1000 Base-T fast ethernet. Optional 802.11 b/g wireless LAN.
<i>Audio</i>	Integrated VIA HD codec VT1708 B audio.
<i>I/O Ports</i>	4 serial ports COM 2,3,4,6. RS-232/422/485 (COM2). Support Pin9 +5V/12V selection by jumper. 8 USB 2.0 ports (6 on I/O panel, 2 on internal header connector). 2 RJ-45 ethernet jack. 2 PS2 keyboard mouse ports. 1 VGA interface for external monitor. 1 mic-in, 1 line-out audio jacks.
<i>Storage</i>	1 SATA -300 connector.
<i>Power</i>	DC 12V (84 watt AC adapter).

Environmental, Safety

<i>ESD/EMI/EMC/Safety</i>	CE, FCC, RoHS
<i>Operating Temperature</i>	Operating temperature: 0 ~ 40°C (32 ~ 104°F).
<i>Storage Temperature</i>	-20 ~ 60°C.