



Main Features

- ♦ 16:9 12" WXGA marine panel computer
- ♦ Intel® Atom™ E3845, Quad Core, 1.91GHz
- ♦ 12" PCAP touch screen with AR coating
- ♦ 4 Gigabit EtherNet/mini DisplayPort for external monitor
- ♦ 1 USB 2.0, 1 USB 3.0
- ♦ 1 RJ45 output for RS232/422/485
- ♦ DDR3L memory/M.2 SATA storage
- ♦ 1 swappable SSD Tray for 2.5" SSD
- ♦ IP65 compliant front panel
- ♦ Built-in 24VDC power input
- ♦ Mounting support : panel/flush/VESA 75mm x 75mm
- ♦ IEC-60945 maritime standards compliance

Product Overview

PPC-120T-BT-01/02 12-inch panel computer features the Intel® Atom™ E3845 processor with low power consumption and deliver a reliable, durable, high-performance platform of wide versatility for use in maritime and offshore environments. The panel PC has a touch screen LCD panel with 1280 x 800 (WXGA) resolution and 500-nit brightness. The front panel which adopts a flush panel design and has IP65 front panel. It offers a projected-capacitive, glove-friendly multi-touch screen for outdoor applications.

PPC-120T-BT-01/02 has a RJ45 output for RS-232/422/485, four gigabit EtherNet LAN ports, two USB posts, and also comes with a mini DisplayPort for external monitor, allowing you to extend the screen size and reduce the total cost of system development. The PPC-120T-BT series panel computers are designed with a wide -25°C to 70°C temperature range, supports 24VDC power input and come with a minimalistic and fanless enclosure designed, and satisfy IEC-60945 maritime standards compliance.

Specifications

Panel

- ♦ LED size: 12", 16:9
- ♦ Resolution: WXGA 1280 x 800
- ♦ Luminance: 500cd/m2
- ♦ Contrast ratio: 1000
- ♦ LCD color: 16.2M
- ♦ Viewing angle: 88(U), 88(D), 88(L), 88(R)
- ♦ Backlight: LED

Touch Screen

- ♦ Projected capacitive (flush panel type)
- ♦ Light transmission: 89%
- ♦ Interface: USB
- ♦ With AR coating

System

- ♦ CPU: onboard Intel® Atom™ processor E3845, 1.91 GHz, 2M L2 Cache
- ♦ BIOS AMI BIOS
- ♦ System memory
 - PPC-120T-BT-01: 1x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 4GB DDR3L-1067/1333, non-ECC and un-buffered
 - PPC-120T-BT-02: 1x 204-pin DDR3L SO-DIMM socket, 2GB DDR3L

(default), support up to 4GB DDR3L-1067/1333, non-ECC and un-buffered

- ♦ Storage device
 - PPC-120T-BT-01:
 - 1x SATA M.2 connector, 128G M.2 SATA (default)
 - 1x SATA connector, support SATA 3Gb/s and SATA 6Gb/s
 - 1x swappable SSD tray for 2.5" SSD
 - PPC-120T-BT-02:
 - 1x SATA M.2 connector, 32G M.2 SATA (default)
 - 1x SATA connector, support SATA 3Gb/s and SATA 6Gb/s
 - 1x swappable SSD tray for 2.5" SSD
- ♦ Graphics: Intel® HD Graphics
- ♦ Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- ♦ H/W status monitor: monitoring system temperature, and voltage
- ♦ Backlight control
 - Control button: increase brightness, decrease brightness, backlight on/off
 - Auto dimming function can be adjust by ambient light sensor
 - Panel backlight can be controlled by software with 45 steps, dimming range from 0% to 100%

