



# 12" MARITIME PANEL PC

## PPC-120T-BT-01

The 12" Bay Trail Maritime Panel PC is a rugged low power multi-touch computer designed and tested for maritime and offshore environments.

The computer is based on a Quad Core Intel® Atom™ Bay Trail processor with low power consumption and has a fanless, minimalistic design with a 12" panel with multi-touch sensor.

### 12" MARITIME PANEL PC BAY TRAIL

The 12" Maritime Panel PC incorporates an industrial motherboard intended for maritime applications. It is designed with an optimal combination of state of the art computer technology and long lifetime components.

The panel PC can be mounted flush with the console, VESA or drop-in.

The front panel complies with IP65 standard, and makes it the perfect fit for maritime applications.

Using the Intel® Atom™ E3845 CPU, this Panel PC delivers exceptional graphic performance with notable rates of data transfer.

### FEATURES

- Intel® Atom™ Bay Trail E3845 Quad-core embedded SoC
- DDR3 Memory- 4GB
- PCAP touch screen
- 12" industrial grade panel
- Mini Displayport for external monitor
- 4 gigabit LAN ports
- 1 internal SATA storage and 1 swappable SSD tray (for 2.5" SSD)
- 2 USB ports (1xUSB 3.0, 1xUSB 2.0)
- RJ45 output for RS232/422/485
- Front IP65
- Flush, VESA and drop-in mount
- Built in 24VDC power input
- IEC-60945 maritime standard compliance

# 12" MARITIME PANEL PC

## TECHNICAL SPECIFICATIONS

### MAINBOARD

- Mainboard based on Intel® Atom™ Bay Trail SOC

### MEMORY

- 204-pin DIMM sockets.  
Supports up to 4GB 1067/1333MHz

### PROCESSOR

- Intel® Atom™ Bay Trail processors (22nm)
- CPU: Intel® Atom™ E3845 (2MB Cache/ 1.9GHz)

### PANEL

- 12"

### RESOLUTION

- 1280x800 (WXGA)

### COLOURS

- 8bit colours (16,2mill)

### BRIGHTNESS

- 400 nits

### CONTRAST

- 1 : 1000

### VIEW ANGLE

- 88°/88°/88°/88°

### TOUCH

- PCAP, multi touch support

### STORAGE

- 1x internal mSATA and 1x swappable SATA tray
- Supports SATA 3Gb/s and SATA 6Gb/s ives

### GRAPHICS

- Intel® HD Graphics

### NETWORK

- 4x Intel® I210IT PCIe Gigabit Ethernet

### POWER SUPPLY

- 24 VDC input
- Reverse polarity protection
- Galvanic isolated

### POWER CONSUMPTION NOMINAL / MAX

- 22W / 30W

### SIZE

- Drop-in/VESA mount:  
307.5mm (W) x 209mm (H) x 40 mm (D)
- Flush mount:  
335mm (W) x 239mm (H) x 40 mm (D)

### WEIGHT

- Approx. 5 kg.

### USB

- 2xUSB Ports (1xUSB 3.0, 1xUSB 2.0)

### OPERATING\* TEMPERATURE RANGE

- -10 to +55°C (tested for -25 to +70°C)

### STORAGE TEMPERATURE RANGE

- -25 to +75°C

### APPROVALS AND CERTIFICATIONS



12" Maritime Panel PC - VESA Mount

\*Continuously running at operating temperature above 45°C will reduce the lifetime of the computer. For high temperature environment and use in enclosed cabinets/consols without airflow or cooling, a low noise fan kit is available. Recommended operating temperature is 25°C.

### DATA RESPONS NORGE AS

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