



24" MARITIME PANEL PC

PPC-240T-HW-01

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The panel PC is a rugged low power touch-computer designed and certified for maritime and offshore applications.

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

The computer is based on an Intel® Core™ i5 (optional Core i7) Ultra Low Voltage CPU, SSD storage with no rotational parts and up to 16GB DDR3 memory. This allows a fan-less minimalistic design with low power consumption. The wide viewing angle LCD display with multi-touch capacitive touch, gives the users an elegant and flexible user interface.

FEATURES

- Intel® Core™ i5 ULV CPU (4300U)
(Optional Intel® Core™ i7 (I7-4650U))
- IP 56 Ingress protection as console mount (front only)
- Maritime Approval all locations and CE
- Fanless rugged design
- Full Range AC + DC 24V power inputs (Both options installed)
- 4x Gigabit Ethernet
- 4x USB
- Projected capacitive multi touch

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TECHNICAL SPECIFICATIONS

COMPUTER

Default (Optional config in brackets)

CPU

- Intel® Core™ i5 ULV -4300U
(Core™ i7 ULV processors)

MEMORY

- 4GB DDR3L (Max 16GB)

STORAGE

- 128GB SSD M.2 (Max-512GB)

ETHERNET

- 4x 10/100/1000Mbit Ethernet

USB

- 2xUSB 3.0 + 2x USB2.0

SERIAL

- 1x RS-232/422/485 Isolated

OS

- Embedded Linux (Microsoft Windows® operating system)

DISPLAY OUT

- 1x DVI-I port for connecting secondary display

PANEL

RESOLUTION

- 16:9, WUGA 1920x1080 native resolution

COLOURS

- 8bit colours (16,7mill)

BRIGHTNESS

- 300 nits

CONTRAST

- 1 : 5000

VIEW ANGLE

- 89/89/89/89 typical

TOUCH

- Projected capacitive multitouch

CONTROL

- 3 PCAP control buttons in front to control power on/off /reset/brightness

POWER

POWER INPUT

- Full Range 110/230VAC Power
- DC 24V Power

* Note: Only one power source (AC or DC) to be connected. No failover functionality.

POWER CONSUMPTION

- 28W @ 230V (idle load @300nits)
- 55W @ 230V (max load @300nits)

HOUSING

- Die cast and painted aluminum housing with several mounting options; VESA 75/100, wall, flush and drop-in mount (VESA and wall mounting not tested for vibration)
- Colour RAL 9005 Black

DIMENSIONS

590mm (W) x 367mm (H) x 62mm (D)

WEIGHT

- 5kg

OPERATING* TEMPERATURE RANGE

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

STORAGE TEMPERATURE RANGE

- -25 to +75°C

HUMIDITY

- Operating: 95%@40C (non-condensing)

INGRESS PROTECTION

- IP56 as drop-in or flush mount
- IP22 as VESA mount

APPROVALS AND CERTIFICATIONS

- CE
- IACS E10
- IEC 60945
- EU-RO
- DNV 2.4



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

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