Blue Line Marine Panel PC-8800



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Highlights

The Blue Line Marine Panel PC-8800 combines marine-certified computing and display technology in a single platform for bridge systems and maritime applications. With integrated computing power, brightness dimming control and flexible connectivity, it supports reliable operation and efficient system integration in demanding marine environments.
The Marine Panel PC-8800 combines computing performance and display functionality in a single platform, helping you simplify bridge and control system installations. Powered by 11th Gen Intel® Core™ processors and equipped with flexible connectivity options, it supports ECDIS, monitoring, automation and other onboard applications that require reliable operation around the clock.

Integration into existing bridge and navigation systems is straightforward with support for Ethernet, serial communication, USB and optional HDMI connectivity. Whether you are upgrading existing equipment or building a new installation, the platform can be adapted to your operational requirements while reducing system complexity.

The fanless design, marine certifications and rugged construction support stable performance under vibration, humidity and changing environmental conditions at sea. Precise brightness control and optional touch functionality help you operate efficiently in both daylight and night-time conditions.

• Marine Panel PC

• Available in sizes of 10.4”, 12.1", 15”, 17", 19”, 21.3” and 24”

• 11th generation Intel® Core™ i5 processor

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- Optional Intel® Core™ i7 processor
- Available with or without touch
- IEC 60945 certification
- DNV certification
- IACS E10 certification
- Brightness dimming control from nearly 0% to 100%
- Fanless operation for maximum reliability
- Flush mount installation
- Supports +9V to +36V DC input
- Extensive interface connectivity

Specifications

Model Type

Marine Panel PC

Construction

Aluminum Bezel and metal housing with powder coating

Cooling

Fanless

Ingress Protection

IP66 Front - IP54 Rear

Environment

Operating Temperature	- 15°C to + 55°C
Operating Humidity	5% to 95% (non condensing)

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Anti-Vibration	0.7g@DNV-CG-0339 (Class A)
Anti-shock	15G, 11ms duraiton

Certification

Build to meet Marine standards

CE & FCC

Display

12.1"	1024 x 768, 4:3, XGA	LCD
15"	1024 x 768, 4:3, XGA	LCD
17"	1280 x 1024, 5:4, SXGA	LCD
19"	1280 x 1024, 5:4, SXGA	LCD
24"	1920 x 1080, 16:9, HD	LCD

Touch

5 wire resistive single touch

Brightness

Front VR knob for brightness dimming control from nearly 0% to 100%	Optional for high brightness 1000 nits
12.1", 15"	500 nits
17", 19"	350 nits
24"	300 nits

Viewing Angle

12"	89°/89°/89°/89°
15"	88°/88°/88°/88°
17", 19"	85°/85°/80°/80°
24"	89°/89°/89°/89°

Processor

Intel 11th Gen. Core i5-1135G7 2.4GHz, 4C/8T (up to 4.2GHz)

Intel 11th Gen. Core i7-1165G7 2.8GHz, 4C/8T (up to 4.7GHz) (Optional)

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Chipset

Intel SoC

Watchdog Auto reset for unresponsive system (custom 1-255 sec/min settings in BIOS)

RAM

1 x SO-DIMM DDR4 2400 MHz, Support up to 32GB

Storage

1 x Internal M.2 M-Key 2280 128GB NVMe SSD (up to 2TB)

Rear Input / Output

Ethernet LAN:	2 x Intel controller I211AT + PHY I219LM 1GbE via RJ45 Port
COM (D-SUB):	1 x RS232
4 x RS232 or 4 x isolation RS422/485 (optional)*	
*12.1" only 2 x RS232 or 2 x isolation RS422/485 (optional)	
USB (type-A):	2 x USB3.0
HDMI:	1 x HDMI (optional)
Power input isolated +24V DC In w/ 2-PIN terminal block (+9 to 36V acceptable)	

Operating System

Windows 10 / 11*

Windows 10 / 11 IoT Enterprise*

Linux

* Only Windows 11 support Wake on touch

Power Supply

110~230V AC to DC External Power Adapter w/ EU Power Core

Power Consumption

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12.1", 15"	55 W typical, normal operation
17", 19"	65 W typical, normal operation
24"	70 W typical, normal operation

Mounting

10.4" to 24"	Panel (Flush) mount, VESA, Bracket mounting

Dimension and Weight

12.1"	H293.2 x W337.2 x D 65.8mm	4.5Kg
Sugg. Cut-out: H 253.0 x W 307.0 mm		
15"	H 345.0 x W 412.0 x D 71.7mm	6.2Kg
Sugg. Cut-out: H 302.0 x W 360.0 mm		
17"	H 410.0 x W 460.0 x D 77.2mm	8.4Kg
Sugg. Cut-out: H 356.0 x W 405.0 mm		
19"	H 444.0 x W 483.0 x D 77.5mm	9.6Kg
Sugg. Cut-out: H 396.0 x W 429.0 mm		
24"	H 384.0 x W 593.0 x D 68.5mm	10.3Kg
Sugg. Cut-out: H 362.0 x W 566.0 mm		

Accessories Included

+110V to +240V AC to DC power supply

Accessories Optional

AR safety glass options	3mm anti-reflective protection glass
Transflective options	Enhance visibility
Bracket mounting options	bracket mount (can adjust from -10°C to +30°C)

Warranty and After Sales Support

Standard 1 year (option for 3 years)

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