Blue Line ECDIS Marine Panel PC-8800

BLUE LINE
IT for Demanding Environments

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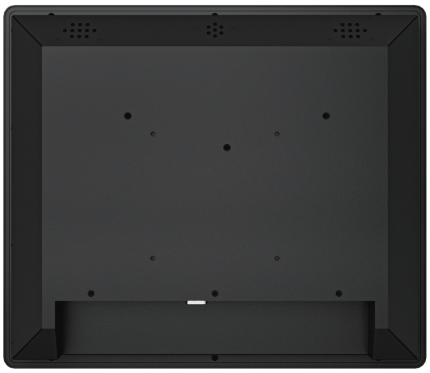

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Highlights

The Blue Line ECDIS Marine Panel PC-8800 is a certified all-in-one computing and display solution for maritime bridge applications with full ECDIS compliance. With built-in processing power, brightness control, projective capacitive multi-touch and a true flat edge-to-edge design, it provides a modern and intuitive interface for safe navigation.
Built on a 5th generation Intel Core i5 processor, you get stable and responsive performance for ECDIS and critical navigation tasks. It is designed to keep your systems running efficiently under continuous load, even in demanding maritime workflows.

A fanless design reduces maintenance needs and increases long-term reliability for your setup. The rugged construction supports 24/7 operation, while the IP66-rated front protects your system against water, dust and harsh onboard conditions. You get stable performance in environments where downtime is not an option.

You can adapt the platform to your operational needs with optional digital I/O channels and NMEA 0183 connectivity. Storage and operating system options allow you to tailor the system to your installation and bridge setup requirements.

• Marine Panel PC

• Available in sizes of 15”, 15.6", 19”, 24” and 27”

• 13th generation Intel Core i5 processor

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• IEC 60945, DNV-CG-0339, IACS E10 certification

• ECDIS bridge display compliance

• Color calibrated for ECDIS compliance (optional)

• Capacitive touch keys for quick function access and display control (Supports DAY, DUSK, and NIGHT mode switching)

• Brightness dimming control from nearly 0% to 100%

• True flat multi PCAP touch

• IP66 front ingress protection

• Elegant edge to edge design

• Fanless operation for maximum reliability

• +24V DC input with 1.5KV DC isolation resistance

• Supports +9 to +36V DC input

• Extensive interface connectivity

Specifications

Model Type

Marine Panel PC

Construction

Plastics front frame & aluminium rear housing

Cooling

Fanless

Ingress Protection

IP66 front side

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Environment

Operating Temperature	-15°C to +55 °C
Operating Humidity	5% to 95% (non-condensing)
Anti-Vibration	0.7g@DNV2.4 (Class A)
Anti-shock	15G,11ms duration

Certification

DNVGL - CG - 0339
IEC 60945 4th
IACS E10
CE
FCC

Display

15"	1024 x 768, 4:3, XGA
15.6"	1920 x 1080, 16:9, FHD
19"	1280 x 1024, 5:4, SXGA
24"	1920 x 1080, 16:9, FHD
27"	1920 x 1080, 16:9, FHD

Touch

Projected capacitive multi-touch

Brightness

Brightness dimming control from nearly 0% to 100%

Colors

15"	16.2 M colors, 8 bits/color
19" to 27"	16.7 M colors, 8 bits/color

Viewing Angle

15"	88°/88°/88°/88° (typ.) (Up/Down/Left/Right)

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19"	85°/85°/80°/80° (typ.) (Up/Down/Left/Right)
15.6" & 24" & 27"	89°/89°/89°/89° (typ.) (Up/Down/Left/Right)

Processor

15" to 27"	Intel 13th Gen. Core i5-1335U, 3.4 GHz (up to 4.60 GHz)

Chipset

15" to 27"	Intel SoC

RAM

15" to 27"	1 x DDR5-4800 SODIMM Slot (Default 8GB,Max 64GB)

Storage

15" to 27"	1 x Internal M.2 2280 M-Key 128GB NVMe SSD (up to 2TB)	24" & 27"	1 x 2.5" Removable 64GB SSD (Up to 512GB) (Optional)

Buzzer

75~85dB , 2300Hz , 1m

Rear Input / Output

15" to 27"		
Ethernet LAN:	2 x 1GbE via RJ45	
COM (D-SUB):	1 x RS232/422/485	1 x RS232 (Optional)
USB:	2 x USB3.0	1 x USB 2.0 (Optional)
HDMI:	1 x HDMI (Optional)	
NMEA Interface:	4 x NMEA 0183 Port (Optional)	
Digital IN/OUT:	8 Channel Isolated Digital Input/Output (Optional)	
DC Power:	1 x 3-Pin Terminal Block (Phoenix type)	

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Operating System

Windows 10 / 11
Windows 10 / 11 IoT Enterprise
Linux

Power Supply

15" to 27"	+24V DC-in with Isolation (+9 ~ +36V acceptable)

Power Consumption

15" to 27"	75W (Max)

Mounting

Panel Mount , VESA Mount

Dimension and Weight

15"	H 312.0 x W 363.0 x D 67.5 mm	Net weight: 5.8 kg
	Sugg. Cut-out: H 288.0 x W 338.0 mm	
15.6"	H 267.0 W 400.0 x x D 64.0 mm	Net weight: 6.8 kg
	Sugg. Cut-out: H 254.0 x W 378.0 mm	
19"	H 382.0 x W 429.0 x D 72.8 mm	Net weight: 7.8 kg
	Sugg. Cut-out: H 359.0 x W 408.0 mm	
24"	H 385.0 x W 595.0 x D 73.8 mm	Net weight: 10.3 kg
	Sugg. Cut-out: H 360.0 x W 507.0 mm	
27"	H 432.4 x W 665.0 x D 85.5 mm	Net weight: 12.8 kg
	Sugg. Cut-out: H 406.0 x W 640.0 mm	

Warranty and After Sales Support

Standard 1 year (option for 3 years)

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