

# Blue Line Marine Panel PC-8800



**BLUE LINE**  
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark  
T +45 8678 5000 | [www.blue-line.com](http://www.blue-line.com)

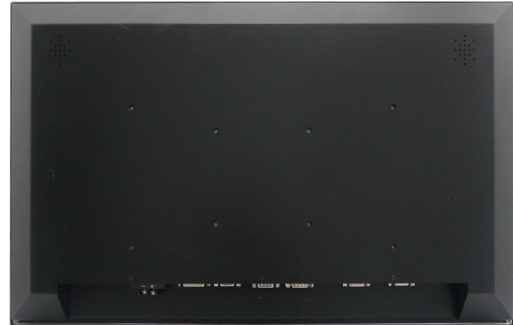
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# Blue Line Marine Panel PC-8800



## Highlights

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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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# Blue Line Marine Panel PC-8800

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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

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### Model Type

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Marine Panel PC

### Construction

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Aluminum Bezel and metal housing with powder coating

### Cooling

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Fanless

### Ingress Protection

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IP66 Front - IP54 Rear

### Environment

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Operating Temperature

- 15°C to + 55°C

Operating Humidity

5% to 95% (non condensing)



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# Blue Line Marine Panel PC-8800

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

## Certification

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Build to meet Marine standards  
CE & FCC

## Display

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|       |                        |     |
|-------|------------------------|-----|
| 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

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5 wire resistive single touch

## Brightness

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|   |  |
|---|--|
| 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

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

## Processor

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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)



# Blue Line Marine Panel PC-8800

## Chipset

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Intel SoC

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

## RAM

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

## Storage

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

## Rear Input / Output

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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

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Windows 10 / 11\*

Windows 10 / 11 IoT Enterprise\*

Linux

\* Only Windows 11 support Wake on touch

## Power Supply

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

## Power Consumption

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# Blue Line Marine Panel PC-8800

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

## Mounting

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

## Dimension and Weight

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|                                     |                                 |        |
|-------------------------------------|---------------------------------|--------|
| 12.1"                               | H293.2 x W337.2 x D<br>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<br>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<br>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<br>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<br>68.5mm | 10.3Kg |
| Sugg. Cut-out: H 362.0 x W 566.0 mm |                                 |        |

## Accessories Included

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

## Accessories Optional

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|                          |  |
|--------------------------|--|
| 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

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Standard 1 year (option for 3 years)



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