# Marine PC



The Marine Computer is our most powerful computer yet, designed to run all Sonardyne software including Fusion 2, Ranger 2 and third-party applications.

It can be used with the Navigation Sensor Hob (NSH) and Ethernet Serial Hub (ESH). It's certified to EN 60945 and DNVGL CG-0339, so it's suitable for use on ships' bridges and is built to withstand harsh operating environments where dust, vibration and constant high temperatures are present It's certified to EN 60945 and DNVGL CG-0339, so it's suitable for use on ships' bridges and is built to withstand harsh operating environments where dust, vibration and constant high temperatures are present

## Specifications

| Product | Marine PC |
|---|---|
| Country of origin | UK |
| Manufacturer | Sonardyne International Ltd |

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Sonardyne

It's also our first fanless computer,powered by an Intel 8th generation CPU and 512 GB wide operating temperature solid state disk. Temperature tolerant components contribute to its impressive operating range spanning -15 to 70°C.

The Marine Computer can be used freestanding, wall mounted or shelf mounted in a standard 19-inch rack (2U).

## Key features

- Intel® i7 8700T Hexa core / 2.4 GHz processor
- 512 GB wide operating temperature SSD
- Supports triple independent display
- Ethernet or Serial I/F to NSH/ESH
- Small form factor.

- Supports instant reboot technology (0.2 seconds)
- Operational temperature rated -15 to 70°C
- Freestanding, wall mounted or shelf mounted
- High tolerance shock/vibration rated
- Versatile industrial specification, fanless embedded computer.

## Specifications

| | |
|---|---|
| **Material** | ???? |
| **Processor** | Intel i7 8700T Hexacore 2.4 GHz |
| **RAM** | 8 GB 2666 MHz DDR4 RAM (non-ECC, un-buffered) |
| **Hard drive** | Single 512 GB industrial grade SSD |
| **Drives** | Additional 2.5" SATA drive bay |
| **Network** | 2x 1 Gbps Ethernet |
| **Audio** | Realtek® ALC888 high definition audio |
| **Video** | Supports triple independent display |
| **Intended use** | Indoor use (including bridge), altitude up to 2,000 m, continuous operation |
| **Power in** | Auto sensing ac voltage: 115/230 V, 60/50 Hz Max power input: 221 W Input current: 2 A @ 230 V |
| **Weight** | 4.3 kg |
| **Ports** | 1x DVI, 2 x DisplayPort 1.2, 2x USB 3.1 Gen2<br>4x USB 3.0<br>2x USB 2.0, 4 x RS232/422/485 serial ports (with auto flow control)<br>1x PS2 port, 1x Line in, 1x Mic in, 1x Phone jack 3.5mm, External Fan port, external power port, external reset port |
| **Environmental specifications** | Operating temperature -15 to 70°C (5 to 158°F)<br>Storage temperature -15 to 70°C (5 to 158°F)<br>Relative humidity 95% @ 70°C (non-condensing)<br>Vibration 5 Grms, 5–500 Hz, 3 axes according to IEC60068-2-64<br>Shock 50 Grms, half-sine 11 ms duration according to IEC60068-2-27 |
| **Size** | 227 x 261 x 88 mm |

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