

Datasheet

Marine Computer



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

This is a compact fan-less design, certified to IEC 60945/DNVGL CG-0339, powered by an Intel 11th generation CPU and 512 GB wide operating temperature SSD.

It can be used with the Navigation Sensor Hub (NSH) and Ethernet Serial Hub (ESH).

It is suitable for use on the ship's bridge console, in a small survey boat or mounted in a standard 19" server room rack and built to withstand harsh operating environments where dust, vibration and constant high temperatures are present.

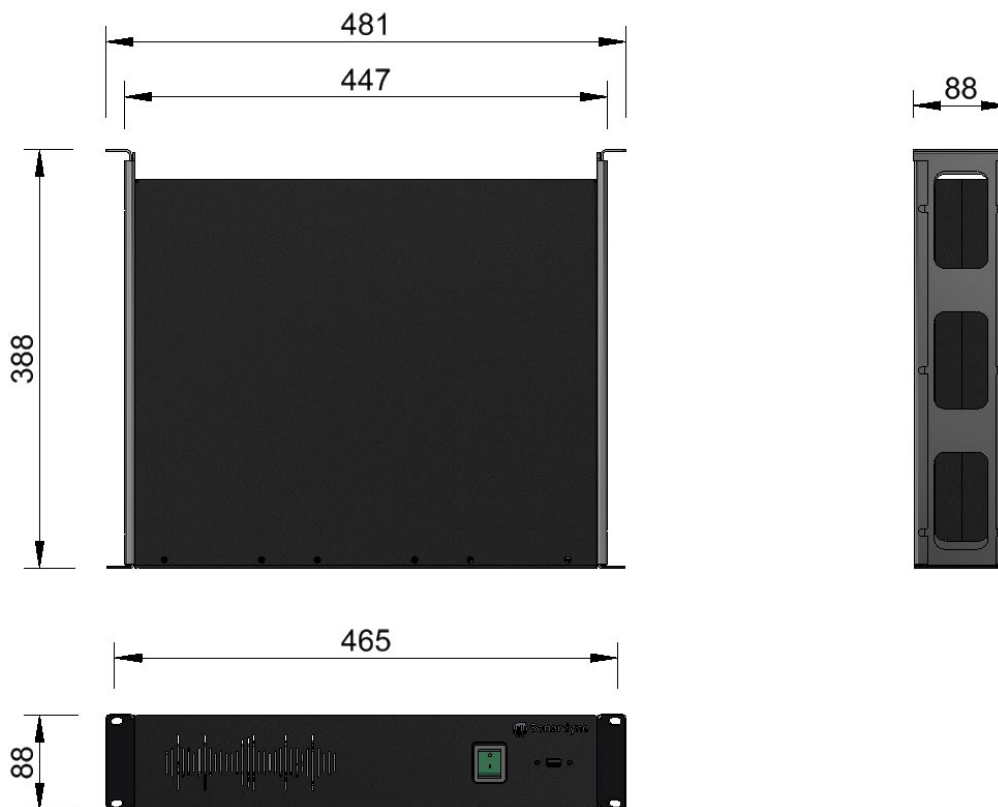
This makes the Marine Computer an extremely versatile and reliable tool in virtually any marine condition.

Key features

- Intel® Tiger Lake Core™ i5-1135G7 2.4 Ghz processor
- Versatile industrial specification, fan-less embedded computer
- 512 GB M.2 NVMe SSD
- Supports triple independent display
- Supports instant reboot technology (0.2 seconds)
- Operational temperature rated -15 to 55°C
- High tolerance shock/vibration rated
- Ethernet or Serial I/F to NSH/ESH

Specifications

Marine Computer



Feature		Specification
Processor		Intel Tiger Lake Core™ i5-1135G7, 2.4 GHz
RAM		32 GB 3200 MHz DDR4 RAM
Hard drive		Single M.2 2280 NVMe 512 GB SSD
Front external ports		USB 2.0
Rear external ports		2 x 1 Gbps Ethernet, 3 x USB 3.0 (note: 1 USB 3.0 port is used to create the front USB 2.0 port), 1 HDMI, 1x DVI-I, 1 x DisplayPort 1.2, 2 x RS232/422/485 serial ports, 1 x audio combo 3.5 mm jack
Power in		100–240 V ac, 0.75–1.5 A (2.5 A max), 50–60 Hz
Video		Supports triple independent display
Environmental specifications	Operating temperature	-15 to 55°C (5 to 131°F)
	Storage temperature	-15 to 60°C (5 to 140°F)
	Operating humidity	5–95%
	Vibration	0.7 g@DNV-CG-0339 (class A)
	Shock	15 G, 11 ms duration
Intended use		Indoor use (including bridge), altitude up to 2,000 m, continuous operation
EMC		Immunity and emission IECN 60945 & DNVGL-CG-0339 compliant
Dimensions (WxDxH)		481 x 388 x 88 mm (18.9 x 15.3 x 3.5")
Weight		8.4 kg