Sonardyne

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 fanless design, certified to IEC 60945/DNVGL CG-0339, powered by an Intel 11th generation CPU and 512 GB wide operating temperature SSD.

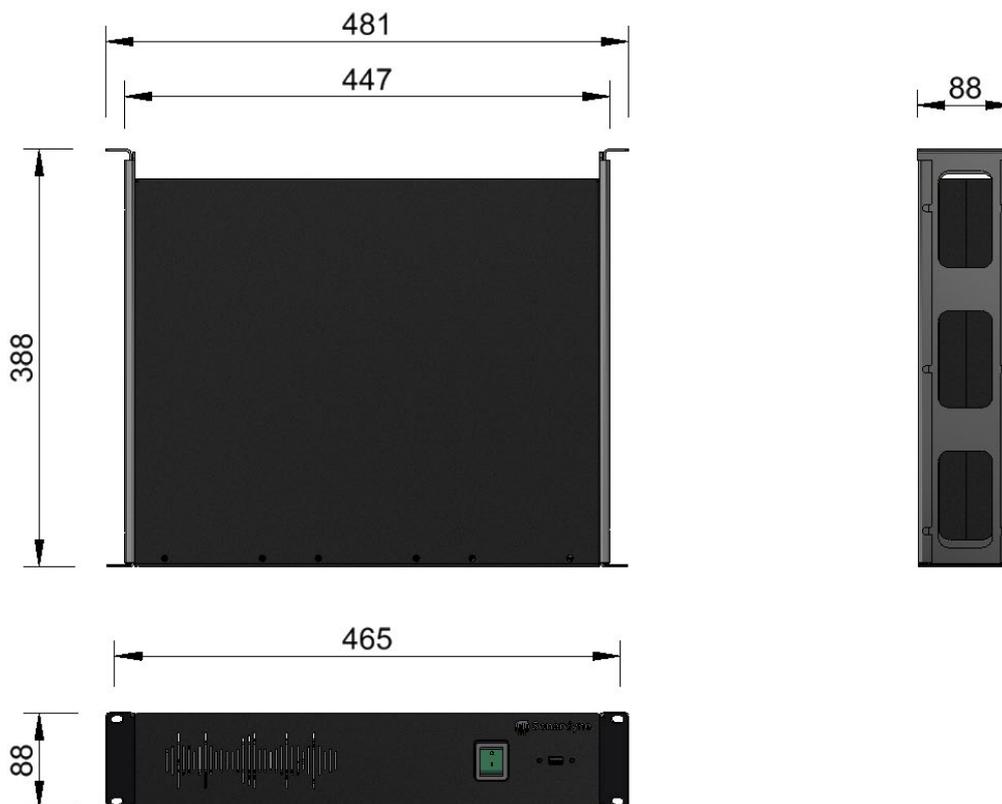It can be used with the Navigation Sensor Hub (NSH) and Ethernet Serial Hub (ESH).

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, fanless 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	8 x NMEA 0183, 8 x isolated DIDO 4 in/4 out	
Rear external ports	2 x 1 Gbps Ethernet, 4 x USB 3.0, 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 55ºC (5 to 131°F)
	Storage temperature	-15 to 60ºC (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 & 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	

Specifications subject to change without notice – 01/2026

For further information, contact us at   E sales@sonardyne.com