DEEPINSPECT MARITIME PROBE
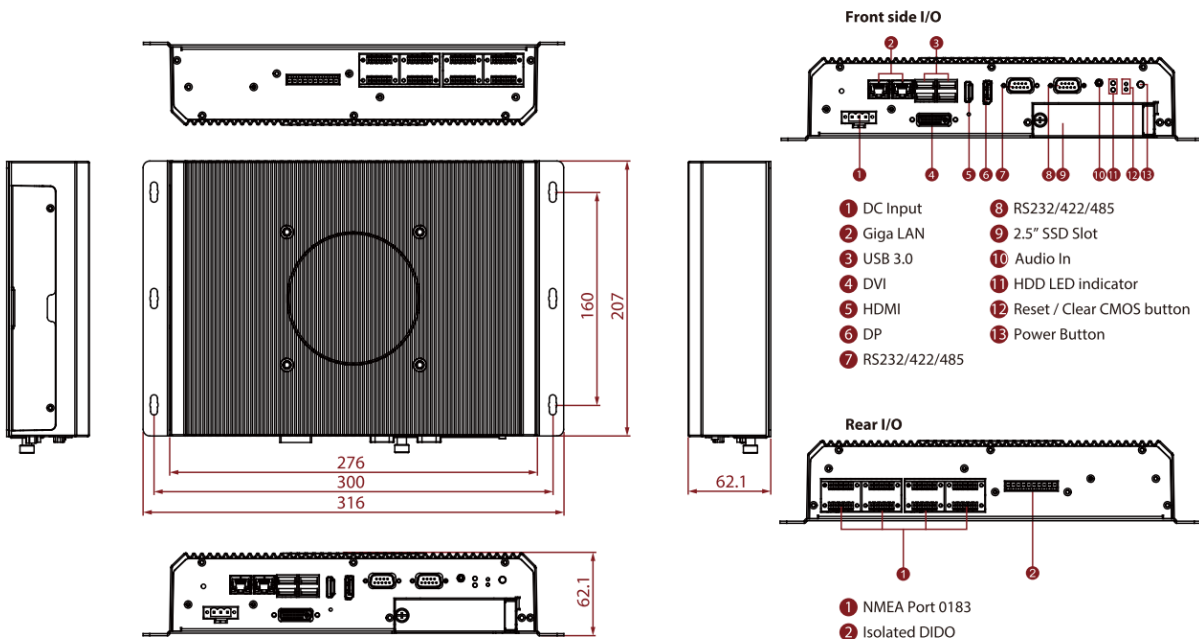
In maritime environments, robust hardware is essential to withstand harsh conditions and ensure seamless operations. The **DeepInspect Maritime Probe is tailored for areas with heavier data traffic and more extensive network management needs.** It excels in handling **higher volumes of data and complex processing tasks**, making it perfect for command centers on large vessels or maritime installations where performance is paramount. The **DeepInspect Maritime Probe is DNV (Det Norske Veritas) certified,** guaranteeing its resilience against wide temperature variations, high humidity, and continuous vibrations. **Wired and completely air-gapped, the DeepInspect Maritime Probe** not only operates independently but also manages the **Maritime Data Gatherer** by collecting and storing substantial volumes of data, ensuring optimal resource utilization and security.

MAIN COMPONENTS AND DIMENSIONS

Front side I/O

#		#	
1	DC Input	8	RS232/422/485
2	Giga LAN	9	2.5" SSD Slot
3	USB 3.0	10	Audio In
4	DVI	11	HDD LED indicator
5	HDMI	12	Reset / Clear CMOS button
6	DP	13	Power Button
7	RS232/422/485		

Rear I/O

#	
1	NMEA Port 0183
2	Isolated DIDO

MARITIME PROBE - SPECIFICATIONS TABLE

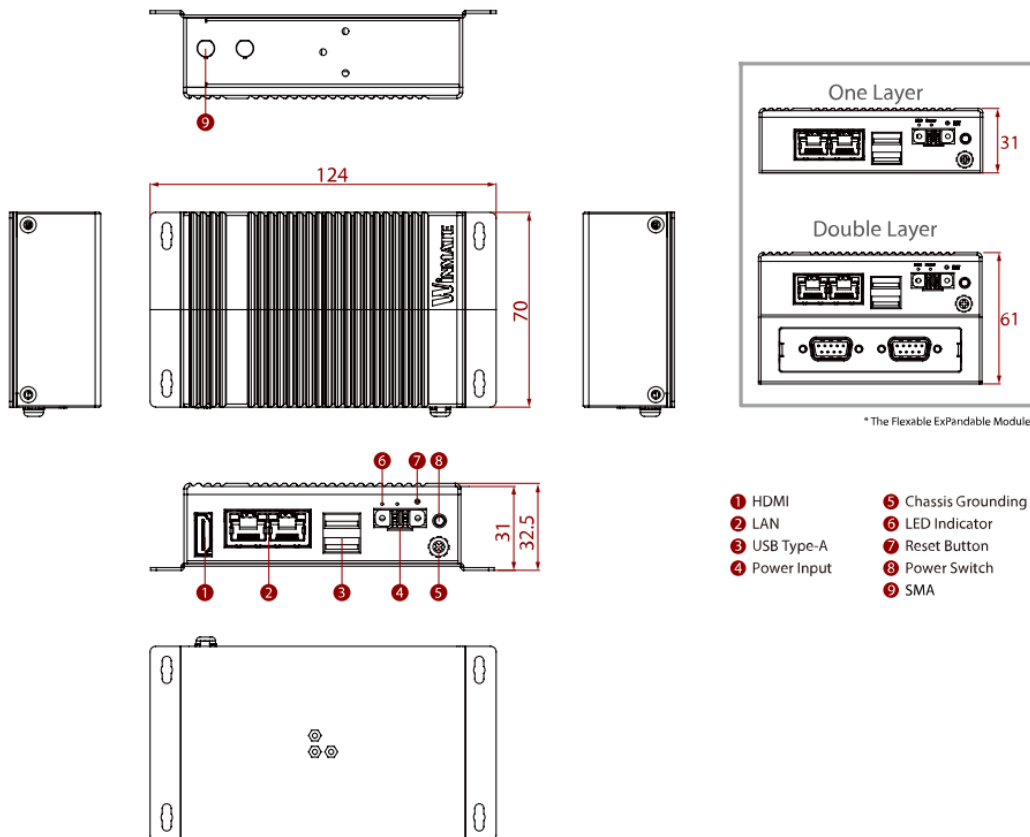|	
Dimension WxDxH	316.44mm x 206.8mm x 62.1mm
Weight	3900g
Operating Temperature	-15°C − +55°C/5°F − +131°F
Storage Temperature	30°C − +70°C/-22°F − +185°F
Humidity	5% ~ 95% non-condensing
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)
Memory	2 x SODIMM, DDR4 2133 MHz, 4G 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 128GB 256GB (Optional) 512GB (Optional)
Ethernet Controller	Intel® Ethernet Controller I211-AT + Intel® Ethernet Connection I219-LM
Shock	15G,11ms duration
Vibration	0.7g@DNVGL CG-0339 (Class A)
IP Rating	IP30
Certification	CE / FCC DNVGL--CG--0339 IEC 60945 4th Edition (Test Report Available)
USB Port	4 x USB 3.0 Serial Port 2 x RS232/422/485
Serial Port	2 x RS232/422/485
Video	1 x DVI 1 x Display Port 1 x HDMI Output (Optional)
Audio	1 x Audio combo 3.5mm audio combo jack
Expansion Port	2 x 2.5" Removable 64GB SSD/HDD up to 512GB (Optional)
LAN	2 x 1 Gbit LAN
DIDO	8 x Isolated DIDO, 4 In/ 4out
NMEA	8 x NMEA 0183 Port
Mounting	Table Mount
Enclosure	Aluminum
Cooling System	Fanless Design
Power Rating	24V DC In (Approval by Certificate) 9~36V DC Input Acceptable
Consumption	50W

DEEPINSPECT MARITIME DATA GATHERER

Operating in maritime environments requires hardware that can withstand moisture, salt, and extreme weather conditions. The **DeepInspect Maritime Data Gatherer** is specifically designed for scenarios where space is limited or less processing power is needed, while ensuring continuous operation and security even under harsh maritime conditions. The device allows for **efficient management of smaller network segments** without overwhelming the system, making it an ideal choice for **compact installations**. Certified by DNV (Det Norske Veritas), the DeepInspect Maritime Data Gatherer is built to **endure extreme challenges** such as wide temperature variations, high humidity, and constant vibrations. **Completely wired and air-gapped**, the DeepInspect Maritime Data Gatherer connects seamlessly with the **DeepInspect Maritime Probe** for optimal performance and data management.

MAIN COMPONENTS AND DIMENSIONS

One Layer 31

Double Layer 61

* The Flexable ExPandable Module.

124
70
31
32.5

❶ HDMI	❺ Chassis Grounding
❷ LAN	❻ LED Indicator
❸ USB Type-A	❼ Reset Button
❹ Power Input	❽ Power Switch
	❾ SMA

MARITIME DATA GATHERER - SPECIFICATIONS TABLE

Dimension WxDxH	100mm x 70mm x 31mm
Weight	400g
Operating Temperature	0°C − +55°C/32°F − +131°F
Storage Temperature	-15°C − +70°C/5°F − +158°F
Humidity	30% ~ 90% non-condensing
Processor	• Intel Pentium N4200 1.1GHz (up to 2.5GHz)
Memory	• 4GB LPDDR4 2400 MHz
Storage	• eMMC: Onboard 32 GB eMMC: Onboard 64 GB • (Optional) eMMC: Onboard 128 GB (Optional) • mSATA SSD 128GB (Optional)
Ethernet Controller	2 x Intel® Ethernet Controller
Security	TPM 2.0
Shock	Operating, IEC 60068-2-27
Vibration	Operating, IEC 60068-2-64
IP Rating	IP30
Certification	CE / FCC DNVGL--CG--0339 IEC 60945 4th Edition (Test Report Available)
USB Port	2 x USB3.2 Gen1x1 (Type-A)
Expansion Port	mPCIe: 1 x Full-size mPCIe slot USB Wafer : 2 x USB Wafer
LAN	2 x Giga LAN RJ45 Connector
Video	1 x HDMI 1.4 (Optional)
Indicator	1 x LED Indicator for power
Mini PCIe	1 x Mini PCIE
Mounting	Desk Mounting & Wall Mounting VESA Mounting (Optional) DIN-Rail Mounting (Optional)
Enclosure	Metal
Cooling System	Fanless design
Power Rating	9V to 36V DC, 2-Pin Terminal Block