RPC-9156-1235U

15.6" Intel® Core™ i5-1235U Full IP66 Panel PC with M12 connectors

Overview

The RPC-9156 is a rugged 15.6" panel PC designed for demanding industrial environments, featuring a robust aluminum casing design with IP66-rated protection against water, dust, and contaminants. Powered by Intel® processors with multiple configuration options and wireless connectivity, it complies with MIL-STD-810H shock and vibration standards for reliable operation in harsh conditions, while its fanless design reduces dust accumulation. All I/O interfaces use M12 connectors, ensuring secure, waterproof, and vibration-resistant connectivity for reliable operation in harsh, high-vibration industrial environments.

Features

- 15.6" LED-backlit LCD with resistive touchscreen
- Rugged aluminum enclosure and fanless design
- 12th Gen Intel® Core™ i5-1235U processor
- 2x COM, 4x USB, 2x LAN
- Supports Wi-Fi, 4G, 5G
- MIL-STD-810H certified for shock and vibration resistance
- Full IP66 design with all M12 waterproof connectors





Operating Temp.



Power Input


M12



RF Communication



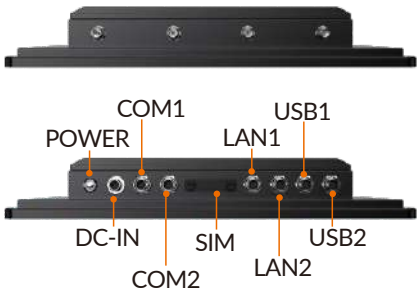
IP65

I/O Interfaces









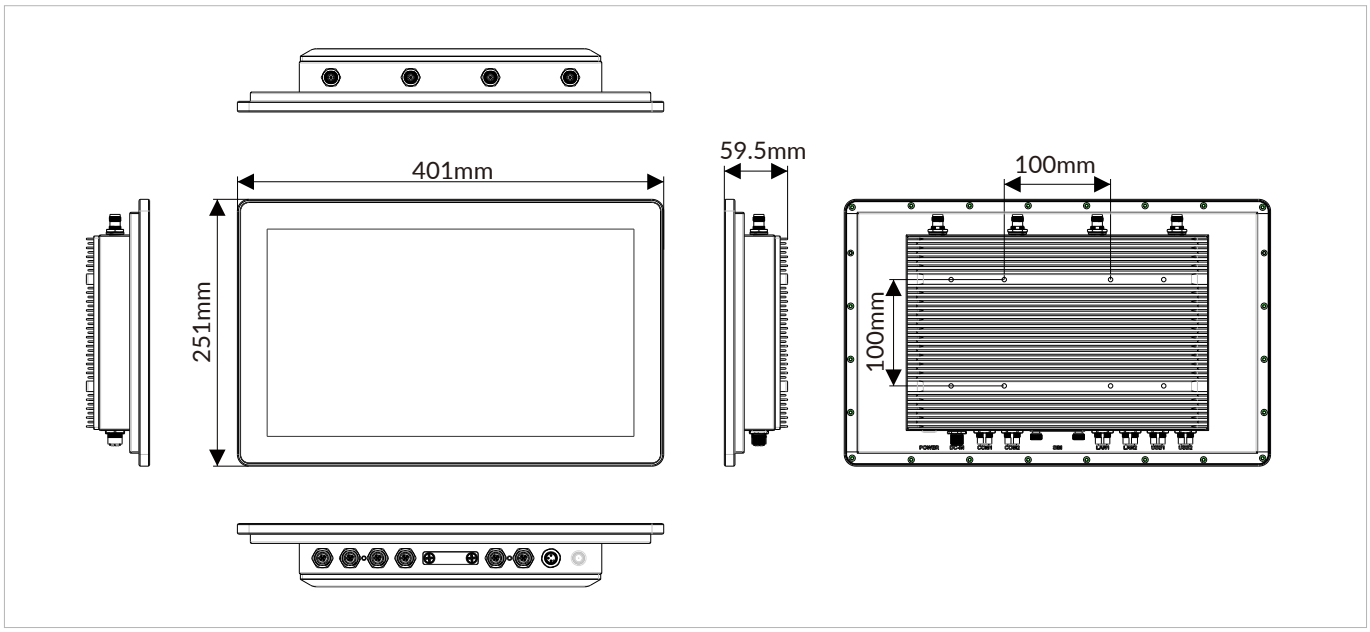
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Specifications

Display	
Size	15.6 inch
Touch Type	5-wire resistive touch
Transmittance	80% (resistive)
Control Interface	USB
Surface Hardness	≥3H
Resolution	1920 x 1080
Luminance	1000 nits
Contrast Ratio	800: 1
View Angles	89 (left), 89 (right), 89 (up), 89 (down)
LED Lifetime	30,000 hrs
Color	16.2M
System	
CPU	Intel® Core™ i5-1235U (1.3 GHz) processor
Memory	2x SO-DIMM DDR4-3200MHz, up to 32GB
Storage	1x M.2 Key-M slot (PCIe x4/ SATA, default PCIe 4x mode, supports PCIe x4 NVMe, 2280)
I/O Ports	
USB	2x USB 3.0 (M12)
Serial	2x COM (M12)
Ethernet	2x GbE LAN (M12)
SIM Card Slot	1x SIM slot for 4G/5G (optional)
Antenna	2-4 x TNC antenna holes
Expansion Slot	
M.2	1x M.2 2230 for Wi-Fi 1x M.2 2242 for 4G ;3052 for 5G
RF Communication	
Wi-Fi	M.2 expansion (optional)
Cellular	M.2 expansion (optional)
Bluetooth	M.2 expansion (optional)
Power	
Button	YES
Remote Power On/Off	NA
DC Input	9-36VDC optional
Power Connector	M12
Power Consumption	40W
Power Adaptor	AC-DC, 12V@7A, 84W
Mechanical	
Dimensions (W x D x H)	401x 251 x 59.5 mm (15.8 x 9.9 x 2.3 inches)
Weight (N.W.)	5.9 kg (13 lbs)
Mounting	Panel mount, wall mount bracket VESA 100
Material	Aluminum alloy panel, all-metal chassis
Environment	
Operating Temperature	-20 to 55°C (-4 to 131°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing
Shock	MIL-STD-810H: 2022 Method 516.8
Vibration	MIL-STD-810H: 2022 Method 514.8
IP Rating	IP66 compliant
Certification	
EMC	CE, FCC

尺寸图



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