

Rugged Mini O v2

Technical Specifications

Features

- Intel 7th Gen Mobile Processor
- Fanless Construction
- Water Resistant IP65 or Waterproof IP67 version
- Dual Intel LAN
- -40°C to 70°C operating temp
- Wide Range 9~50 VDC Power Input



Specifications

System

Processor	Intel Core i3-7100U, Dual-Core, 3MB Cache, 2.4GHz Intel Core i3-7100U, Dual-Core, 3MB Cache, 2.6 ~ 3.5GHz
System Chipset	Kaby Lake U SoC Integrated
Graphics Controller	Intel UHD Graphics 620
LAN Chipset	1 x GbE: Intel i219-LM 1 x GbE: Intel i210-AT
Audio	Realtek ALC8885 (no audio output on system)
System Memory	Up to 32GB DDR4 2666 (1 x SO-DIMM)
BIOS	AMI 128Mbit
TPM	TPM 2.0 discrete module (Infineon)
vPro	Core i5 Only
Watchdog	Software Programmable Supports 10~255 sec. System Reset

Storage

SSD/HDD	1 x 2.5" SATA Bay
mSATA	1 x mSATA (shared with 1x Mini PCIe)

Expansion

Mini PCI Express	2 x MiniPCIe (Full Size)
SIM Socket	2 x Micro SIM

Other

Cooling Method	Fanless
Media Reader	1 x CFast card reader (shared with mSATA)

I/O

Video	1 x VGA Output (Waterproof D-sub15 Connector)
COM	1 x D89 Serial RS232/422/485, COM1 (M12 Connector)
USB	1 x USB 3.0 (25mm Waterproof Connector) 2 x USB 2.0 (M12 Connector)
LAN	2 x LAN (M12 Connector)
WLAN	Realtek Wireless AC + BT (Optional)
Other	1 x Power Switch 2 x WiFi Antenna Openings (IP65 Unit Only)

Operating System

Windows	Windows 10 Pro 64bit Windows 10 IoT Enterprise SAC or LTSC
Linux	Yes

Power

Power Input Voltage	9~50 VDC
Power Connector	M12 Connector
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) RPP (Reverse Polarity Protection)
Power Adapter	Optional AC/DC 12V/5A, 60W w/Waterproof M12 cable and connector

Environment

Operating Temperature	-40°F to 158°F (-40°C to 70°C)
Storage Temperature	-40°F to 185°F (-40°C to 85°C)
Relative Humidity	10% - 95% non-condensing
IP Level	IP65 or IP67
Certification	CE, FCC Class A

Physical

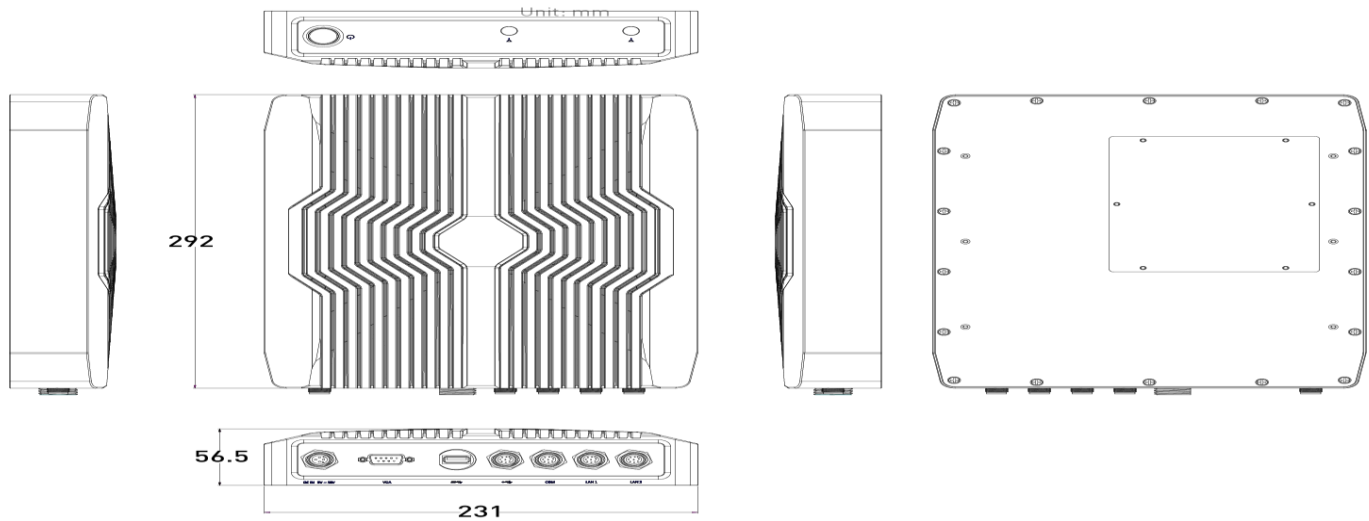
Enclosure Materials	Cast Aluminum w/Heavy Duty Steel Cover
Dimension (W x H x D)	9.09" x 11.49" x 2.22" (231mm x 292mm x 56.5mm)
Weight	7.30 lbs. (3.31 Kg kg) without cables 9.55 lbs. (4.33 Kg) with cables and PSU
Mounting	Wall Mount Only

Warranty

Warranty	1-year standard
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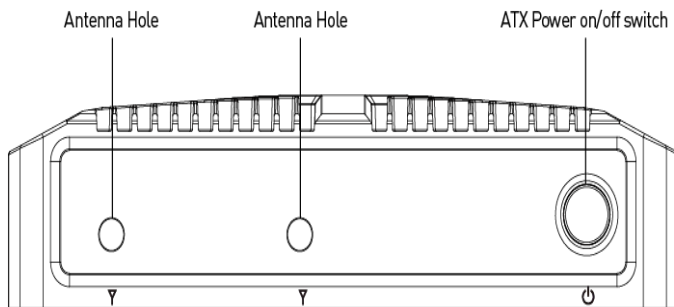
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I/O Layout



Dimensions

Front Panel



Rear Panel

