ISD-O370

IP67 Rugged 5G Edge Network Appliance



Images are for refernce only. See ordering information for SKU details.

Features

- Fanless Design Compliant with IP67 and MIL-STD-810G
- Intel® Atom® C3000 Extended Temperature CPU (Denverton)
- 2x DDR4 up to 2133 MHz ECC SODIMM Slots, Default 16GB x1
- M12 I/O: SR-IOV for 4x LAN, 2x PoE+ (By SKU), 1x USB, 1x Console
- Wide Operating Temperature: -40~70°C/ -40~60°C (By SKU)
- 1x M.2 Socket for 5G, 1x M.2 socket for Wi-Fi 6, 1x Mini-SIM
- Intel® QuickAssist Technology
- On-board eMMC 64/128GB (By SKU), 1x M.2 2242 B Key, TPM 2.0

Specifications

Platform	
Form Factor	Desktop
Processor Options	Intel® Atom® C3000 (Denverton)
CPU Socket	Onboard
Chipset	SoC
Security Acceleration	Intel® QuickAssist Technology
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	DDR4 up to 2133 MT/s ECC SODIMM
Max. Capacity	Up to 64GB, Default ECC RAM 16GB
Socket	2x 260-pin SODIMM
Networking	
Ethernet Ports	4x or 6x Ethernet Ports, support SR-IOV, GbE PoE+ & 2.5GbE LANs (By SKU), by M12 X-coded 8-pin Female Connector with Isolation 1.5KVDC
Bypass	N/A
NIC Module Slot	N/A
LOM	
IO Interface	N/A
OPMA Slot	N/A
I/O Interface	
Reset Button	N/A
LED	N/A
Power Button	N/A
Console	1 x RS232/485 by M12 X-coded 8pin Female connector with isolation 1.5KVDC
USB	1 x USB 2.0 by M12 A-coded 8pin Male connector
LCD Module	N/A
Display	N/A
Storage	
HDD/SSD Support	1x M.2 2242 B key / SATA 3
eMMC	Onboard eMMC 64/128GB TLC (By SKU)

Expansion	
M.2 for 5G	1x M.2 304(5)2 B Key socket for 5G
M.2 for Wi-Fi 6	1x M.2 2230 E Key socket for WiFi 6
SIM Card Slot	1x Mini-SIM & 1x eSIM (reserved)
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Onboard TPM 2.0
Cooling	
Processor	Passive CPU Heatsink
System	Fanless
Environmental Parameters	
Temperature	-40~70°C Operating (SKU D/F/H/J/K/L) -40~60°C Operating (SKU C/E/G/I) -40~85°C Ambient storage
Humidity (RH)	5~90% Operating 5~95% Non-Operating
System Dimensions	
(WxDxH)	370 x 210 x 83 mm
Weight	4.6 kg
Package Dimensions	
(WxDxH)	450 x 324 x 195 mm
Weight	TBD
Power	
Type / Watts	DC-IN, Up to 130W
Input	Rated 24-36Vdc (range 9-50Vdc), supports with reverse protection by M12 K-coded 5pin Male connector with isolation 1.5KVDC
Certification	
Approvals and Compliance	CE/FCC class A, UL 62368-1, CB, IP67, MIL-STD-810G
OS	
OS	Linux Kernel

Product I/O View

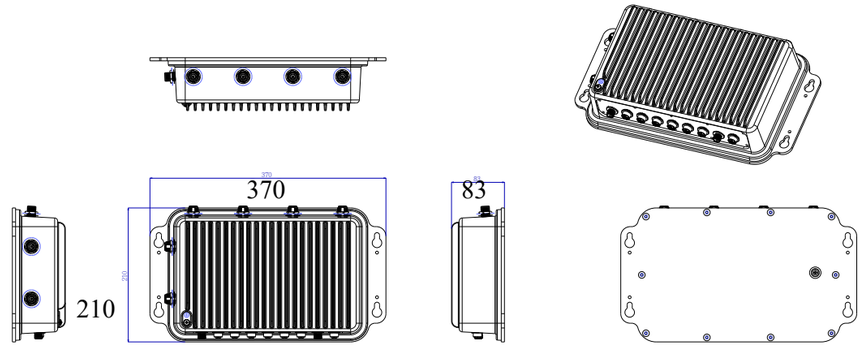
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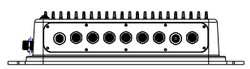


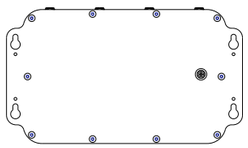


- **A** 5G Antennas
- **B** DC input
- **C** PoE+ 6/LAN 4 (By SKU)
- **D** PoE+ 5/LAN 3 (By SKU)
- **E** LAN 4/2 (By SKU)
- **F** LAN 3/1 (By SKU)
- **G** LAN 2 (By SKU)
- **H** LAN 1 (By SKU)
- **I** USB
- **J** Console Port
- **K** Wall mount hole
- **L** WiFi Antennas

Dimensions (WxDxH) 370mm x 210mm x 83mm







Ordering Information

ISD-O370C	Intel Atom C3808, 64GB eMMC, 6x GbE LAN (2x PoE+), -40~60°C, Design Reserved for Thales/Telit/Quectel 5G Modules
ISD-O370D	Intel Atom C3708, 64GB eMMC, 6x GbE LAN (2x PoE+), -40~70°C, Design Reserved for Thales/Telit/Quectel 5G Modules
ISD-O370E	Intel Atom C3808, 64GB eMMC, 6x GbE LAN (2x PoE+), -40~60°C, Design Reserved for Sierra 5G Module
ISD-O370F	Intel Atom C3708, 64GB eMMC, 6x GbE LAN (2x PoE+), -40~70°C, Design Reserved for Sierra 5G Module
ISD-O370G	Intel Atom C3808, 128GB eMMC, 4x GbE LAN (2x PoE+), 2x 2.5GbE, -40~60°C, Design Reserved for Thales/Telit/Quectel 5G Modules
ISD-O370H	Intel Atom C3708, 128GB eMMC, 4x GbE LAN (2x PoE+), 2x 2.5GbE, -40~70°C, Design Reserved for Thales/Telit/Quectel 5G Modules
ISD-O370I	Intel Atom C3808, 128GB eMMC, 4x GbE LAN (2x PoE+), 2x 2.5GbE, -40~60°C, Design Reserved for Sierra 5G Module
ISD-O370J	Intel Atom C3708, 128GB eMMC, 4x GbE LAN (2x PoE+), 2x 2.5GbE, -40~70°C, Design Reserved for Sierra 5G Module
ISD-O370K	Intel Atom C3508, 128GB eMMC, 4x GbE LAN, -40~70°C, Design Reserved for Thales/Telit/Quectel 5G Modules
ISD-O370L	Intel Atom C3508, 128GB eMMC, 4x GbE LAN, -40~70°C, Design Reserved for Sierra 5G Module

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