

Features

- Intel® Processor N-series SoC, 2~8 cores
- DDR5 SODIMM x 1, up to 32GB
- 2.5GbE RJ-45 x 4 + 1GbE SFP x 2
- TPM v2.0 (Optional)
- M.2 3052 B-Key (5G, Colay Mini Card with Push pin SIM for 4G LTE/Wi-Fi)
- M.2 2230 E-Key (Colay Mini Card slot for Wi-Fi)



CF/CFast/mSATA	Onboard 32G eMMC, up to 128G
Internal/ Expansion Interface	
PCIe Slot	—
Mini-PCIe Slot	M.2 3052 B-Key (5G, Colay Mini Card with Push pin SIM for 4G LTE/Wi-Fi) M.2 2230 E-Key (Colay Mini Card slot for Wi-Fi)
Keyboard and Mouse	—
USB	USB 3.2 Gen 1 (Type-A) x 2, 4.5W per port, max. 5W total
Miscellaneous	
RTC	Internal RTC
Watchdog Timer	1~255 step by software programmable
Software Button	GPIO Programmable push button x 1
TPM	TPM 2.0 (optional)
GPIO	Reserve internal Pin Header (8-bit Digital I/O Interface, 4-in/4-out)
Fan	Fan x 1
MTBF (Hours)	TBD
Color	Black
Environmental Parameters and Dimension	
Power Consumption	Dual 12V DC Lockable Power Input Connector, 40/60W Power Adapter (Redundant) Reserve 2.54 pin header for power button
Operating Temperature	32°F ~ 122°F (0°C ~ 40°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Operating Humidity	10%~90% relative humidity, non-condensing
Storage Humidity	10 ~ 80% @ 40C, non-condensing
Vibration	0.5G / 5 ~ 500Hz / operation 1.5G / 5 ~ 500Hz / non-operation
Shock	10G peak acceleration (11 m sec. duration), operation 20G peak acceleration (11 m sec. duration), non-operation
Dimension (W x D x H)	4.7" x 4.1" x 1.7" (220mm x 105mm x 44mm)
I/O	
Front Panel	Power LED x 2 Status LED x 1 Bypass LED x 2 Storage Active LED x 1 Ethernet LED x 12 Antenna Hole x 2 Antenna Hole x 1 (Right Panel) Antenna Hole x 1 (Left Panel) Accessible SIM Slot x 1
Rear Panel	Lockable DC Power Input Connector x 2 Power Button x 1 USB 3.2 Gen 1 x 2 RJ-45 x 4 Fiber x 2 RJ45 Console x 1 Antenna Hole x 2 Software Programmable Switch x 1

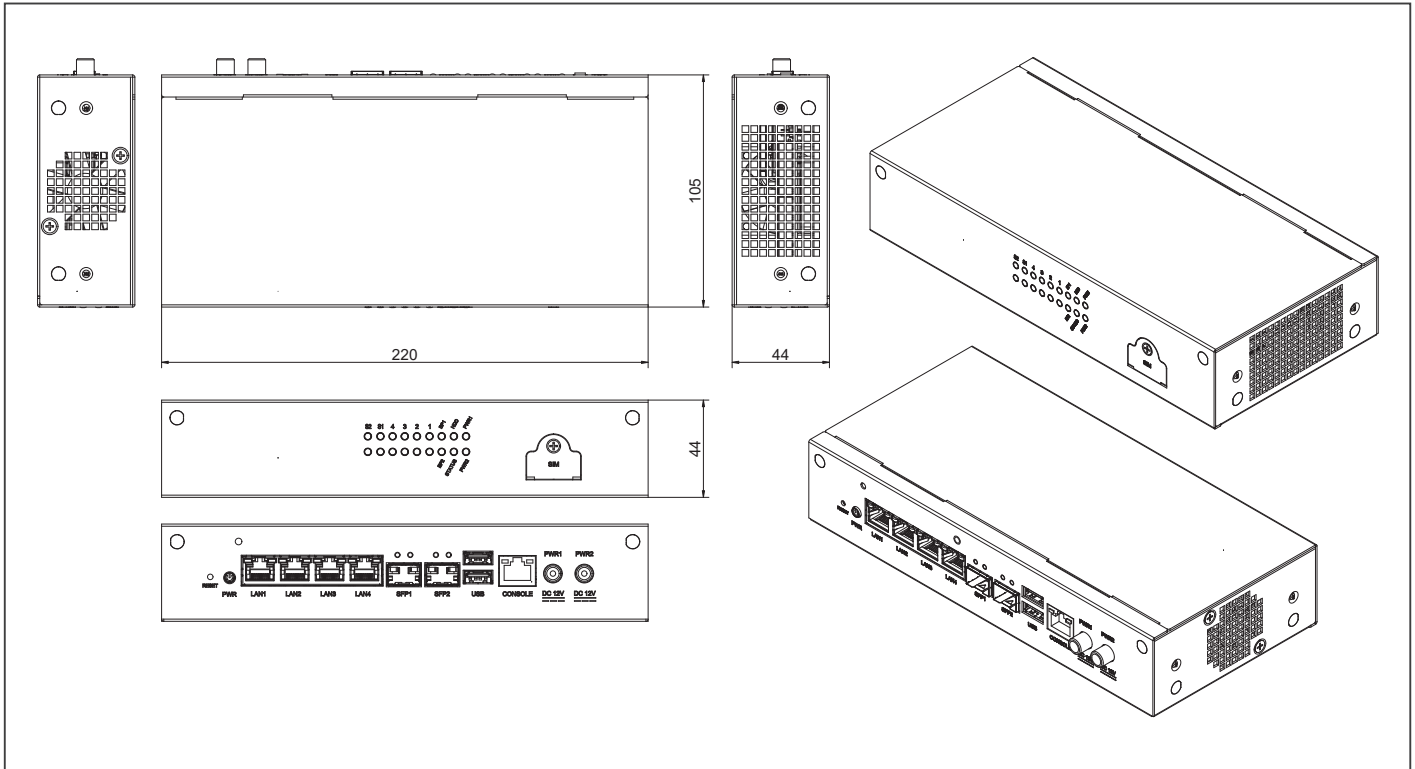
Specifications

System	
Form Factor	Desktop Network Appliance
Processor	Intel® Processor N-series SoC 2~8 cores
Chipset	SoC
System Memory	DDR5 SODIMM x 1, up to 16GB (32GB for Intel Atom® x7000RE/C Series CPU SKUs)
Network	
Ethernet	Intel® Ethernet Controller I226-V, 2.5GbE x 4 Intel® Ethernet Controller I210-IS, SFP x 2 (co-lay with Intel® Ethernet Controller I210-AT Copper x 2) by PCIe Bridge
Bypass	2 pair
Display	
Graphics Controller	—
Connector	HDMI x 1 (Optional)
Storage	
HDD	2.5" HDD Bay x 1 M.2 2242 M-Key x 1



Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Mini-Card Slot	Storage	LAN	USB	Console	Bypass	Expansion Slot	TPM	Display	Fan	Mounting	Power
FWS-2291-E6-A10-00	Intel® Processor N97	DDR5 SODIMM socket x 1	—	32GB eMMC 2.5" HDD Bay x 1 M.2 2242 M-Key x 1	Intel® Ethernet Controller I226-V, 2.5GbE x 4, i210IS, SFP x 2	USB 3.2 Gen 1 x 2	Console x 1	2 pair	M.2 3052 B-Key M.2 2230 E-Key	Optional	Optional	Fan x 1	Desktop	DC

Packing List

- Power Cable x 1
- SATA Cable x 1
- Power Adapter x 1
- FWS-2291

Optional Accessories

- **1700091805**
Console Cable
- **170X000799**
Power Cord.3P.125V.10A.180D.USA.1.8M
- **170X000800**
Power Cord.3P.250V.10A.VDE.1.8M
- **170X000815**
Power Cord.3P.250V.10A.180D.CHINA.1.8M
- **170X001024**
Power Cord.3P.125V/7A.PSE Certificate.1.8M