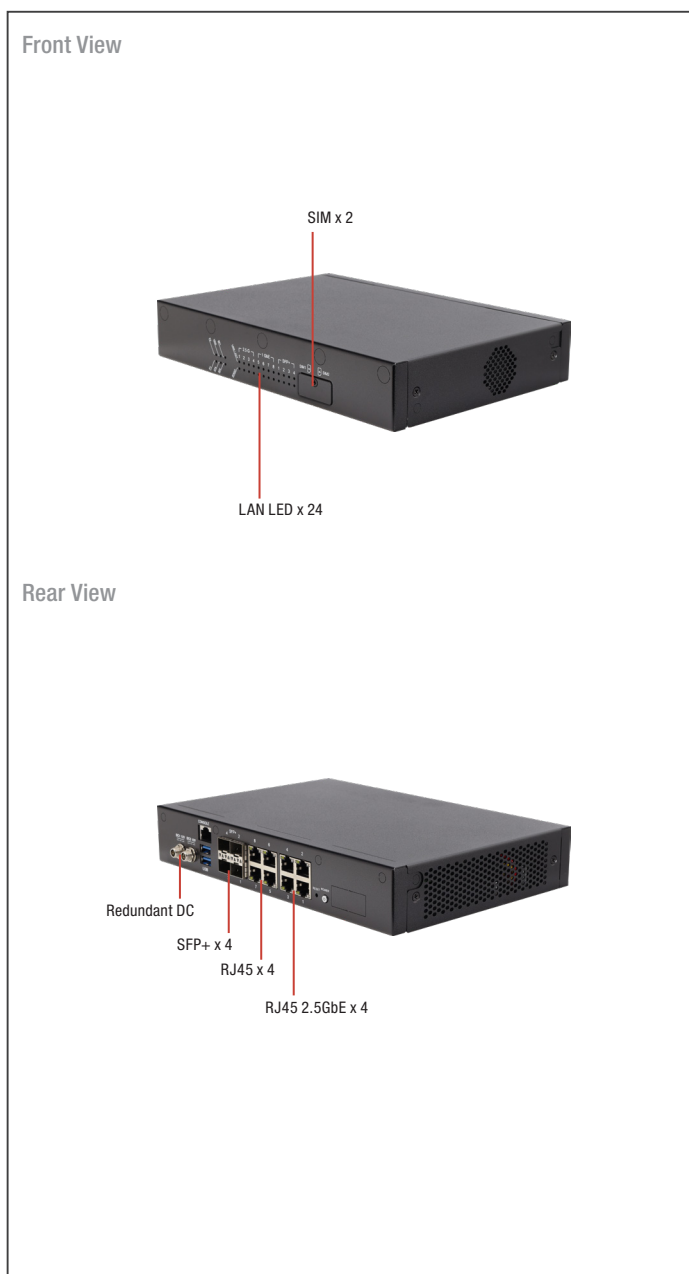




Network Appliance with Intel Atom® Processor C Series/Intel Atom® Processor P Series



## Features

- Intel Atom® Processor C Series/Intel Atom® Processor P Series
- Onboard eMMC 32GB, up to 128GB
- DDR4 SODIMM x 2, up to 64GB ECC/Non-ECC
- Intel® Ethernet Controller I226-V 2.5GbE x 4, Marvell® Alaska® 88E1543 GbE x 4, 10G SFP+ x 4
- M.2 2230 E-Key for Wi-Fi (Co-lay Mini Card Slot x 1 (Half-size, PCIe))
- M.2 3042/3052 B-Key for 5G/LTE (Co-lay Mini Card Slot with push-pin SIM Slot x 1 (Full-size, PCIe + USB 3.0 + USB 2.0))
- TPM Support (Optional)



Internal/ Expansion Interface	
PCIe Slot	—
Mini-PCIe Slot	M.2 2230 E-Key x 1 (PCIe) for Wi-Fi co-lay half-size Mini Card Slot x 1 (PCIe) M.2 3052 B-Key x 1 (USB 3.0) for 5G/LTE co-lay full-size Mini Card Slot with push-pin SIM Slot x 1 (PCIe + USB 2.0) M.2 3052 B-Key x 1 (USB 3.0 + USB 2.0) for 5G/LTE co-lay full-size Mini Card Slot with push-pin SIM Slot x 1 (USB 3.0 + USB 2.0)
Keyboard and Mouse	—
USB	USB 3.0 x 2 (shared with PCIe Slot for PoE, default USB 2.0 x 2)
Miscellaneous	
RTC	Internal RTC
Watchdog Timer	1~255 steps by software programmable
Software Button	GPIO Programmable push button x 1
TPM	TPM 2.0
GPIO	Reserve Internal Pin Header 8-bit Digital I/O Interface (4-in/4-out)
Fan	Smart Fan x 1 (Default), Internal Smart Fan Pin Header x 1 (Reserve)
MTBF (Hours)	TBD
Color	Black
Environmental Parameters and Dimension	
Power Consumption	Dual in 12V 60W Adapter (w/o POE) Dual in 12V 90W Adapter (w/ POE)
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	10%~80% relative humidity, non-condensing
Storage Humidity	10%~80% @40°C; non-condensing
Vibration	0.5 Grms/ 5 ~ 500Hz / operation (mSATA) 1.5 Grms/ 5 ~ 500Hz / non-operation
Shock	10 G peak acceleration (11 m sec. duration), operation 20 G peak acceleration (11 m sec. duration), non-operation
Dimension (W x D x H)	10.2" x 7" x 1.7" (260mm x 178mm x 44mm)
I/O	
Front Panel	Optional type c console x 1 Micro SIM socket x 2 Main board LAN LED x 24 Optional module LAN LED via cable x 4 Bypass LED x 2 Storage LED x 1 Status LED x 1 Power LED x 2 Antenna hole x 3
Rear Panel	DC Power Input Connector Lockable x 2 RJ45 console x 1 USB 3.0 Port x 2 Power LED x 2 10G SFP+ x 4 1G Marvell RJ45 Port x 4 2.5G RJ45 Port x 4 SW reset button x 1 Power button x 1 Antenna hole x 4 Optional 2.5G LAN module x 2 (optional with POE af/at)

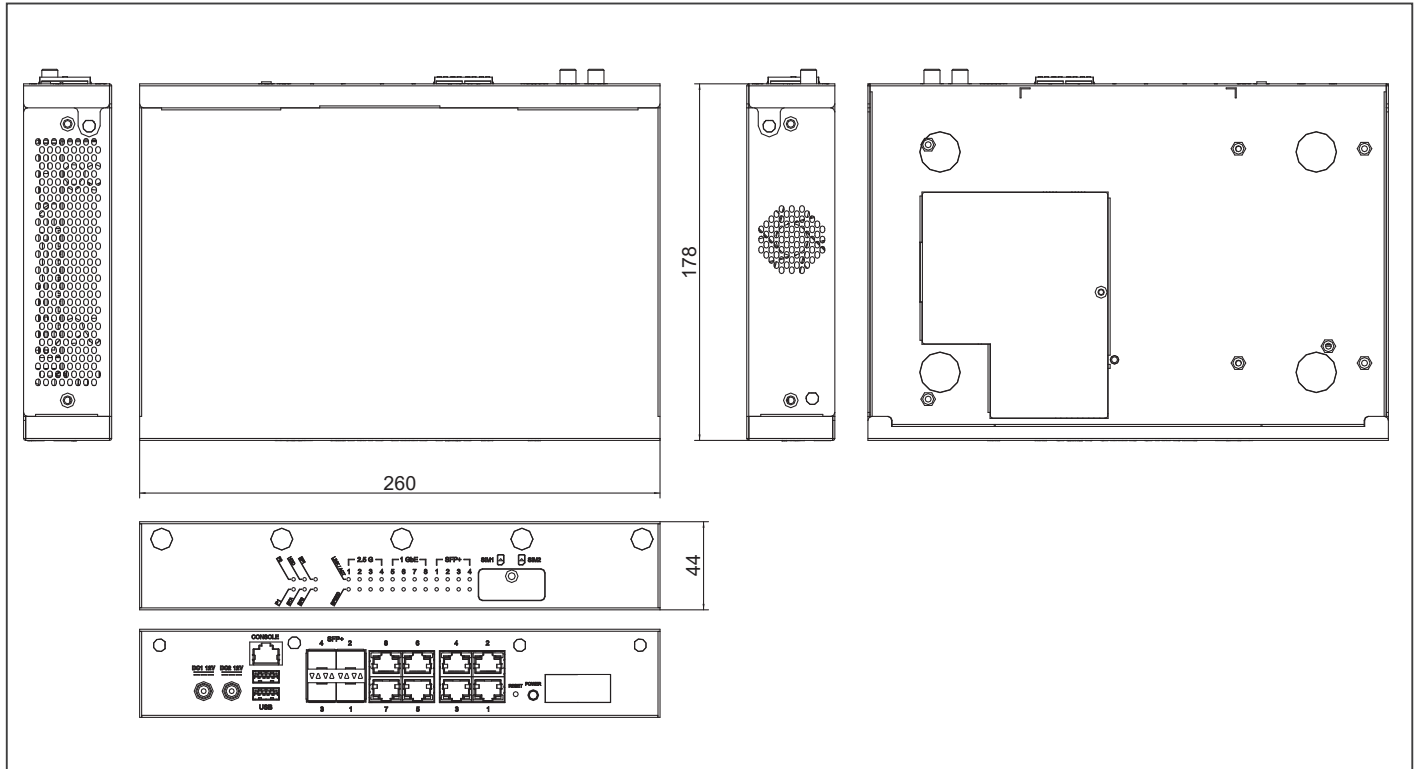
## Specifications

System	
Form Factor	Desktop Network Appliance
Processor	Intel Atom® Processor C Series/Intel Atom® Processor P Series Default: Intel Atom® Processor C5315
Chipset	SoC
System Memory	DDR4 SODIMM socket x 2, up to ECC/Non-ECC 64GB
Network	
Ethernet	Intel® Ethernet Controller I226-V 2.5GbE x 4 Marvell® Alaska® 88E1543 GbE x 4 10G SFP+ x 4
Bypass	2 Pair
Display	
Graphics Controller	—
Connector	—
Storage	
HDD	SATA 6Gb/s x 2 (co-lay M.2 2242 M-Key x 1)
CF/CFast/msATA	Default eMMC 32GB, support up to 128GB



## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Memory	Bypass	Mini-Card Slot	Storage	LAN	USB	Console	System Fan	TPM	Mounting	Power
FWS-2370-E12-A10-000	Intel Atom® Processor C5315	DDR4 SODIMM socket x 2	2 pairs	M.2 colay Mini-card slot x 3 ; x4 PCIe connector slot x 1 (PCIe (x1) x 2)	SATA port x 2 eMMC 32GB	Intel® Ethernet Controller I226-V 2.5GbE x 4, Marvell® Alaska® 88E1543 GbE x 4, 10G SFP+ x 4	USB 3.0 x 2	Console x 1	Fan x1	Optional	Desktop	DC

## Packing List

- Power Adapter x 1
- FWS-2370

## Optional Accessories

- **1700091805**  
Console Cable
- **170X000799**  
Power Cord, 3P-250V/10A, 180D, 1.8M, USA, YP22/YP12
- **170X000800**  
Power Cord, 3P-250V/10A, 180D, 1.8M, VDE, YP22/YP12
- **170X000815**  
Power Cord, 3P-250V/10A, 180D, 1.8M, China, YP-03/YC-12
- **170X000803**  
Power Cord, 3P-125V/7A, 1.8M, PSE, YP12/YC-12