

## Specifications

System	
Form Factor	1U Rackmount Network Platform
Processor	Intel® C3758 processor SoC, optional support up to 16 core
Chipset	SoC
System Memory	DDR4 Slot x 4, Support ECC UDIMM/RDIMM upto 256GB
Network	
Ethernet	Intel® X553 RJ45 x 2, Intel® i210 GbE x 3, SFP+ x 2 from CPU
Bypass	Onboard 2 pairs bypass, others depend on NIM module
NIM Slot	1
Display	
Graphic Controller	—
Connector	—
Storage	
HDD	2.5" HDD Bay x 2
CF/CFast/mSATA	Default SATA III port x 2 (MSATA Slot X 2 Optional)

## Features

- Intel® Atom™ C3758 SoC Processor, Optional Support up to 16 Core
- DDR4 Slot x 4, Support ECC UDIMM/RDIMM upto 256GB
- 5 Copper (2 From 88E1543/ 3 From Intel® i210)
- 2 10Gb SFP+ (From CPU)
- Onboard 2 Pairs Bypass
- Mini-Card Socket (Full-Size) x 1, Mini-Card Socket (Full-Size) with SIM Socket x 1 (Optional)
- Internal 2.5" SATA HDD x 2
- LCM with Keypad x 1, RJ-45 Console x 1, USB 3.2 Gen 1 x 2
- 100W Flex ATX PSU 150W
- TPM (Optional)

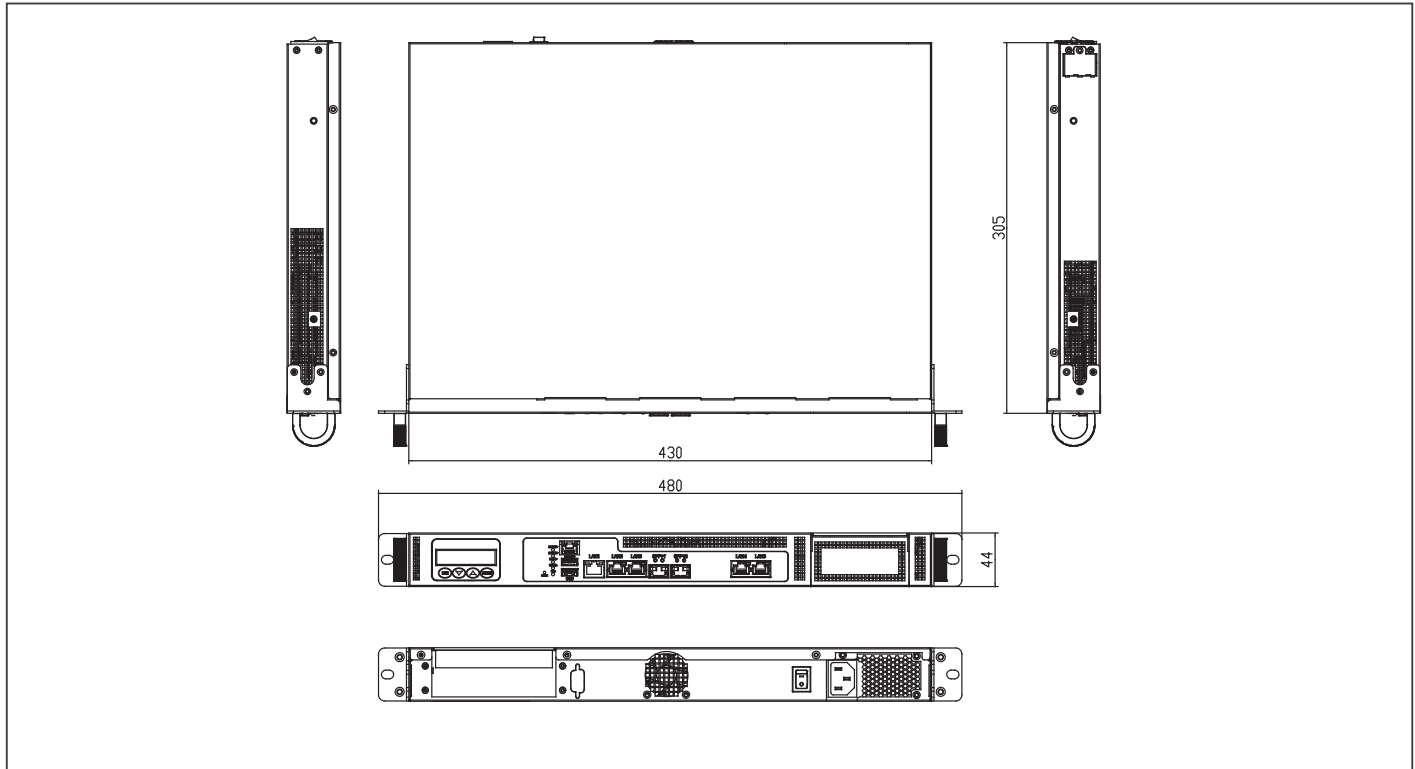


Internal/ Expansion Interface	
PCIe Slot	PCIe [x8] slot x 1, cannot use w/ NIM
Mini-PCIe Slot	Default Mini-Card socket (full-size) x1 (Mini-Card socket (full-size) with SIM socket x 1 Optional)
IPMI	—
Keyboard and Mouse	—
USB	USB 3.2 Gen 1 x 2
Miscellaneous	
RTC	Internal RTC
Watchdog Timer	1~255 steps by software programmable
Software Button	GPIO Programmable Button x 1
TPM	Optional TPM v1.2 / TPM v2.0
GPIO	4 bits input, 4bits output
Fan	System Fan x 1
MTBF (Hours)	142,412
Color	Black
Environmental Parameters and Dimension	
Power Requirement	150W Flex ATX PSU
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 (2.5" HDD) 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)	16.93" x 12.01" x 1.73" (430mm x 305mm x 44mm)
I/O	
Front Panel	SFP+ with LED x 2 RJ45 Ethernet Port with LED x 5 USB 3.2 Gen 1 x 2 RJ45 Console x 1 Software Programmable Button x 1 Parallel LCM Display and 4 Keypad x 1 LED for Power/HDD/ Status/ Bypass x 5 NIM Slot x 1 Bypass LED x 2 Power LED x1 HDD LED x1 Status LED x1
Rear Panel	Power Switch x 1 AC Power Input x 1 Rear Expansion Slot x 1



## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Memory	Mini-Card Slot	Storage	LAN	USB	Console	Bypass	NIM Slot	Expansion Slot	TPM	Display
FWS-7360-E7-A10-002	Intel® Atom® C3758	DDR4 UDIMM/ECC slot x 4	Full Size x 1 (PCIe + USB)	2.5" HDD Bay x 2	RJ45 x 5, SFP+ x 2	USB 3.2 Gen 1 x 2	RJ-45 x 1	2 pairs onboard	1 (Note 1)	1 (Note 2)	—	—

\* Please contact AAEON for other optional specifications.

Note 1: Need to configure riser card and module

Note 2: Need to configure riser card

Note 3: NIM and expansion slot cannot be used at the same time

## Packing List

- Console Cable
- Ear Brackets
- FWS-7360

## Optional Accessories

- **M02666600**  
Slide x 2, for Rackmount Usage
- **1702031803**  
Power Cord, 3P-250V/10A, 180D, 1.8M, VDE, YP22/YP12
- **1702031802**  
Power Cord, 3P-250V/10A, 180D, 1.8M, USA, YP22/YP12
- **170203180E**  
Power Cord, 3P-25V/7A, 180D, 1.8M, PSE, YP12/YP12
- **PER-R40X**  
NIM LAN Module Riser Card
- **NIM-S26C-A10-T40-0002**  
Intel® Fortville XL710 PCI-Express 10G SFP+ 4 Ports Module for FWS-7821
- **NIM-S26B-A10-F20-0002**  
Intel® Fortville XL710 PCI-Express 40G QSFP 2 Ports Module for FWS-7821
- **NIM-S13B-A10-G80-0002**  
Intel® 82580EB PCI-Express 1G SFP 8 Ports Module for FWS-7820
- **NIM-S13D-A10-G40-0002**  
Intel® 82580EB PCI-Express 1G SFP 4 Ports Module for FWS-7820/7821
- **NIM-C13B-A10-G82-0001**  
Intel® 82580EB PCI-Express 1G Copper Ethernet 8 Ports Module for FWS-7821 w/ 2Pair bypass
- **NIM-C13D-A10-G42-0002**  
Intel® 82580EB PCI-Express 1G Copper Ethernet 4 Ports Module for FWS-7821 w/ 2Pair bypass
- **NIM-S13E-A10-G42-0001**  
LAN Module, Intel® 82580EB, 4 x 1GSFP, 2 Bypass, SX short wave, REV. A1.0
- **NIM-S13E-A10-G42-0002**  
LAN Module, Intel® 82580EB, 4 x 1GSFP, 2 Bypass, LX long wave, REV. A1.0