

# FWS-8600

2U Rackmount Network Appliance with Dual 2nd Gen Intel® Xeon® Scalable Processors

Front View



Rear View



## Features

- 2U Rackmount Network Appliance
- Dual 2nd Gen Intel® Xeon® Scalable Processors
- Intel® C621 Chipset
- DDR4 2133/2400/2666 MHz RDIMM x 16, up to 512GB
- 1GbE RJ45 Intel® i211 x 2, NIM slot x 4 (Project based up to 8 slots)
- IPMI supported by AAEON Module
- External Hotswappable 3.5" HDD Bay x 4, Internal 3.5" HDD Bay x 1
- Mini-Card slot x 1, M.2 2260 M-key x 1
- RJ-45 Console x 1, USB 3.2 Gen 1 x 2
- 550W ~ 600W Redundant Power



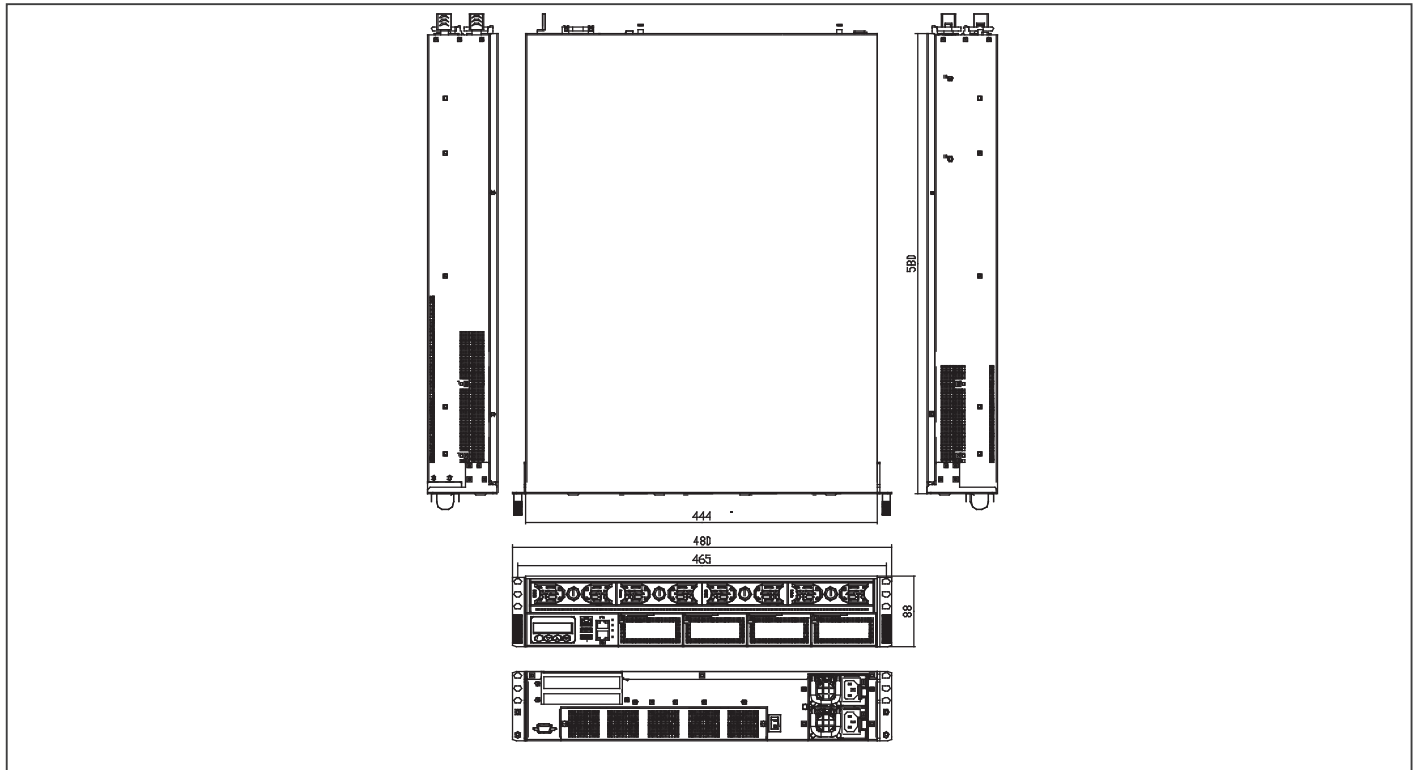
Storage	
HDDs	SATA III Port x 6 External Hotswappable 3.5" HDD Bay x 4 Internal 3.5" HDD Bay x 1, option with 2.5" HDD Bay x 2
CF/CFast/mSATA	M.2 2260 M-key x 1 mSATA slot x 1 (share same slot with Mini-Card)
Internal/ Expansion Interface	
PCIe slot	Optional PCIe [x16] slots x 2, via riser card
Mini-Card slot	Mini Card slot (full-size) x 1 (PCIe/SATA, USB2.0)
IPMI	Optional IPMI via AAEON Module (Project based)
Keyboard and Mouse	—
USB	USB 3.2 Gen1 x 2 (Optional 2*10 pin USB 3.2 Gen1 x 2 Box Header 2.0mm)
Miscellaneous	
RTC	Internal RTC
Watchdog Timer	1~255 steps by software programmable
Software Button	GPIO Programmable push button x 1
TPM	(Optional TPM2.0 9665 on board)
GPIO	(4 bits input, 4 bits output optional)
FAN	5 x Hotswappable FAN
MTBF (Hours)	192,691 Hours
Color	Black
Environmental Parameters and Dimension	
Power Requirement	550 ~ 600W Redundant Power
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 (3.5" Hard Disk Drive x 5) 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)	17.48" x 22.83" x3.46" (444mm x 580mm x 88mm)
I/O Interfaces	
Front Panel	Power LED x 1 Status LED x 1 HDD Active LED x 1 USB 3.2 Gen 1 Ports x 2 RJ-45 Console x 1 Parallel LCM display and 4 keypad x 1 Software Programmable Button x1 RJ-45 LAN x 2 IPMI x 1 (Project based)
Rear Panel	AC Power Input x 2, Power Switch x 1, VGA port (Optional), Rear Expansion Slot x 2 ( PCIe [x16] Optional)

## Specifications

System	
Form Factor	2U Rackmount Network Platform
Processor	Dual 2nd Gen Intel® Xeon® Scalable Processors, up to 56 cores, 112 threads
Chipset	Intel® C621 Chipset
System Memory	DDR4 2133/2400/2666 R-DIMM x 16 (8 DIMM per CPU), Up to 512 GB
Network	
Ethernet	Intel® i211 Gigabit Ethernet x 2
Bypass	Depend on NIM module
NIM Slot	NIM x 4 (Project based up to 8 slots)
Display	
Graphic Controller	Optional support via Mini-PCIe module or IPMI
Connector	Optional VGA port via module

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	Mini-Card Slot	Storage	LAN	USB	Console	Bypass	NIM Slot	Expansion Slot	TPM	Display	Fan	Mounting	Power
FWS-8600S2-R60-A10-00	Dual 2nd Gen Intel® Xeon® Scalable Processors	DDR4 RDIMM x 16, Up to 512GB	Mini-Card slot x 1 (PCIe/SATA, USB2.0)	External 3.5" HDD Bay x 4, Internal 3.5" HDD Bay x 1, M.2 2260 M-key x 1	Intel® i211 Gigabit Ethernet x 2	USB 3.2 Gen1 x 2	RJ-45 console x 1	—	4	—	—	—	5	2U Rackmount	600W Redundant Power

## Packing List

- Gift Box (Including Console Cable x 1, 3.5" HDD Tray Kit x 1, External HDD Bay Key x 1, Ear Bracket Kit x 1)
- CPU Cooler x 2
- FWS-8600

## Optional Accessories

- **M028500000**  
Slide x 2, Chassis Rail Kit
- **9761EMPV02**  
Mini-PCIe VGA module Kit.Full Size.Innodisk EMPV-1201-C1.w/Packing
- **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-T488-A10-00**  
PER-T488.Riser Card.PCIe[x16] slot x2.Rev.A1.0.for FWS-8600
- **NIM-S26C-A10-T40-0002**  
Intel® Fortville XL710 PCI-Express 10G SFP+ 4 Ports Module
- **NIM-S26B-A10-F20-0002**  
Intel® Fortville XL710 PCI-Express 40G QSFP 2 Ports Module
- **NIM-S13B-A10-G80-0002**  
Intel® 82580EB PCI-Express 1G SFP 8 Ports Module
- **NIM-S13D-A10-G40-0002**  
Intel® 82580EB PCI-Express 1G SFP 4 Ports
- **NIM-C13B-A10-G82-0001**  
Intel® 82580EB PCI-Express 1G Copper Ethernet 8 Ports Module w/ 2Pair bypass
- **NIM-C13D-A10-G42-0002**  
Intel® 82580EB PCI-Express 1G Copper Ethernet 4 Ports Modulew/ 2Pair bypass