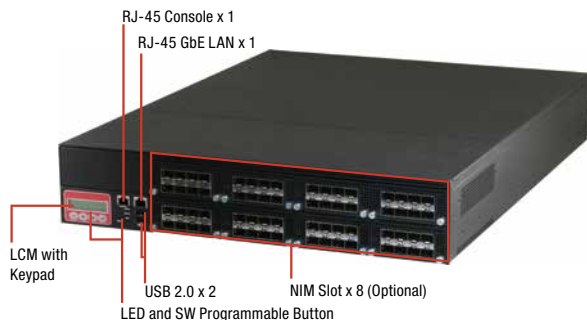
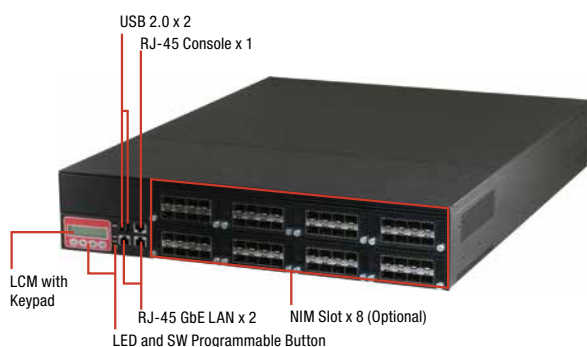


2U Rackmount High Performance Network Appliance, up to 64 Gigabit Ethernet Ports

Front View (A10-00 Version)



Front View (A10-01 Version)



Rear View



Features

- 2U Rackmount Network Appliance
- Dual Intel® Xeon® Processor E5-2600 v3 Series Processor, LGA 2011
- Intel® Communications Chipset 8925
- 288-pin DDR4 1600/1866/2133 MHz DIMM (8 DIMM Per CPU) RDIMM x 16, Up to 128 GB
- Up to 64 Gigabit Ethernet Ports Via NIM
- Internal 3.5" SATA HDD x 1 or 2.5" SATA HDD x 2, CompactFlash™ Socket x 1
- Optional Parallel LCM with Keypad x 1
- RJ-45 Console x 1, USB 2.0 x 2, 1 GbE LAN x 1
- 650W Redundant Power
- Mini-PCIe x 1, PCI-E [x8] x 2 (Optional)



Expansion/Internal Interface

PCIe slot	PCIe [x8] slot x 2 (Optional)
Mini-card slot	1
IPMI	—
Keyboard and Mouse	Reserve pin-header
Universal Serial Bus	USB x 2 for internal pin-header (optional)

Miscellaneous

RTC	Internal RTC
Watchdog Timer	1~255 steps by software programmable
Software Button	GPIO Programmable push button x 1
TPM	TPM v1.2
GPIO	8-bit, BIOS default 4-bit input, 4-bit output
FAN	5
MTBF (Hours)	—
Color	Black

Environmental Parameters and Dimension

Power Requirement	650W Redundant PSU
Operation Temp.	32°F ~ 104°F (0°C ~ 40°C)
Storage Temp.	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	10 ~ 80%
Storage Humidity	10 ~ 80% @ 40°C, non-condensing
Vibration	0.5 Grms/ 5 ~ 500Hz/ operation (3.5" H.D.D) 1.5 Grms/ 5 ~ 500Hz/ no operation
Shock	10G peak acceleration (11 m sec. duration), operation 20G peak acceleration (11 m sec. duration), non-operation
Chassis Dimension (W x D x H)	18.9" x 23.62" x 3.46" (480mm x 600mm x 88mm)

I/O Interfaces

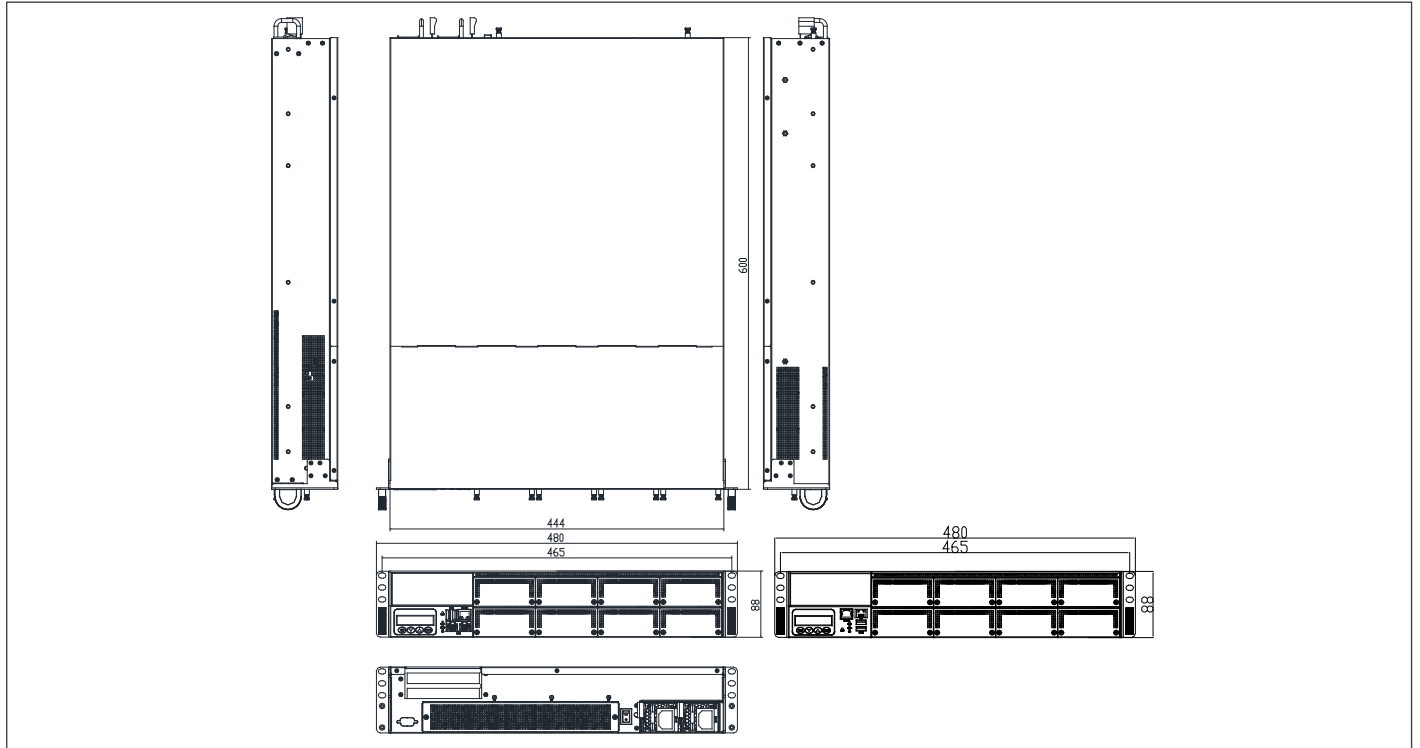
Front Panel	Power LED x 1, Status LED x 1, HDD Active LED x 1, USB 2.0 Ports x 2, RJ-45 Console x 1, Parallel LCM display and 4 keypad x 1, Software Programmable Button x 1 RJ-45 LAN x 1 (optional up to RJ-45 LAN x 2)
Rear Panel	AC Power Input x 2, Power Switch x 1, Rear Expansion Slot x 2 (Optional PCIe [x8])

Specifications

Platform	
Form Factor	2U Rackmount Network Platform
Processor	Intel® Xeon® Processor E5-2600 v3 Series, LGA 2011
Chipset	Intel® Communications Chipset 8925 PCH
System Memory	DDR4 1600/1866/2133 RDIMM/UDIMM/ECC, Up to 128GB 288-Pin DIMM x 16 (8 DIMM Per CPU)
Network	
Ethernet	Depends on NIM, onboard 1 GbE LAN x 1 (optional 1 GbE x 2)
Bypass	Depends on NIM
NIM Slot	8
Display	
Graphic Controller	Mini-card VGA (Optional)
Connector	VGA cable (Optional)
Storage	
HDDs	Internal 3.5" SATA HDD x 1 or 2.5" SATA HDD x 2 (Optional)
CF/CFast/mSATA	CF socket x 1

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	Cooler	Storage	Display	LAN	USB	Console	RS-232	KB/MS	Bypass	NIM Socket	Expansion Slot	Mounting	Power
FWS-8500S1-R65-A10-00	Intel® Xeon E5-2600 v3 Series, LGA 2011	DIMM	CPU Cooler x 2, System fan x 5, Chipset Cooler x 1	2.5" HDD Bay x 2 CompactFlash™ Socket x 1	—	GbE x 1	USB 2.0 x 2	RJ-45 x 1	—	—	—	8	PCI-E[x8] slot x 2 (Optional) Mini-PCIe slot x 1	2U Rackmount	650W Redundant Power
FWS-8500S2-R65-A10-01	Intel® Xeon E5-2600 v3 Series, LGA 2011	DIMM	CPU Cooler x 2, System fan x 5, Chipset Cooler x 1	2.5" HDD Bay x 2 CompactFlash™ Socket x 1	—	GbE x 2	USB 2.0 x 2	RJ-45 x 1	—	—	—	8	PCI-E[x8] slot x 2 (Optional) Mini-PCIe slot x 1	2U Rackmount	650W Redundant Power

Packing List

- Gift Box (Including Console Cable x 1, SATA Cable x 1, SATA Power Cable x 1, and Ear Bracket Kit x 1)
- CPU Cooler x 2
- FWS-8500

Optional Accessories

- **M028500000**
Slide x 2, Chassis Rail Kit
- **976185000E**
VGA Module, PER-V09V, No 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
- **NIM-S26A-A10-00**
Intel® Fortville XL710 PCI-Express 10G SFP+ 4 Ports Module for FWS-8500/7520
- **NIM-S26B-A10-00**
Intel® Fortville XL710 PCI-Express 40G QSFP 2 Ports Module for FWS-8500/7520
- **NIM-S13A-A10-00**
Intel® 82580EB PCI-Express 1G SFP 8 Ports Module
- **NIM-C13A-A10-00**
Intel® 82580EB PCI-Express 1G Copper Ethernet 8 Ports Module
- **NIM-C13A-A10-01**
Intel® 82580DB PCI-Express 1G Copper Ethernet 4 Ports Module