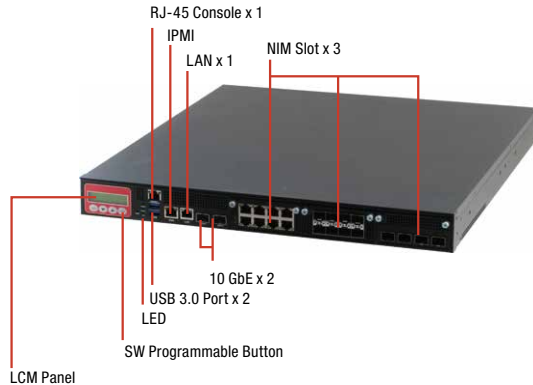
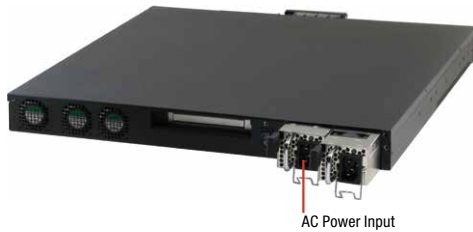


1U Rackmount Network Appliance, Intel® Xeon™ Processor SoC with 3 NIM

Front View



Rear View



Specifications

Platform	
Form Factor	1U Rackmount Network Platform
Processor	Intel® Xeon Processor SoC
Chipset	Integrated
System Memory	DDR4 1600/1866/2133 RDIMM/UDIMM/ECC, up to 128GB, 288 Pin DIMM x 4
Network	
Ethernet	1GbE x 1 + 10GbE x 2 + NIM
Bypass	Depends on NIM
NIM Slot	3
Display	
Graphic Controller	IPMI integrated (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 (Optional CFast™ socket or mSATA slot)

Features

- 1U Rackmount Network Appliance
- Intel® FCBGA Broadwell DE Xeon Processor
- 288-pin ECC DDR4 x 4 1600/1867/2133MHz RDIMM Up to 128GB
- 10/100/1000Base-TX up to 24 Ethernet ports (Optional by NIM modules)
- 10GbE SFP+ x 2 or RJ45 x 2 ports (Optional by module)
- IPMI (AST2500) port x 1, VGA/BMC/KVMoIP supported
- Internal 3.5" SATA HDD x 1 or 2.5" SATA HDD x 2 (Optional up to 6 SATA3.0 Ports)
- LCM with Keypad x 1
- RJ-45 for Console x 1, USB 3.0 x 2
- 180W AC type/ 220W Redundant Power Input Requirement



Expansion/Internal Interface

PCIe slot	PCIe [x4] signal use [x8] slot
Mini-card slot	—
IPMI	Optional Module
Keyboard and Mouse	Reserve pin-header
Universal Serial Bus	USB 3.0 x 2 Box Header (2.0mm) (optional)

Miscellaneous

RTC	Internal RTC
Watchdog Timer	1~255 step by software programmable
Software Button	GPIO Programmable push button x 1
TPM	Yes
GPIO	8bits, BIOS default 4 bits input, 4bits output.
FAN	3
MTBF (Hours)	—
Color	Black

Environmental Parameters and Dimension

Power Requirement	250W ATX PSU or 220W Redundant PSU (Optional)
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)	16.93" x 18.7" x 1.73" (430mm x 475mm x 44mm)

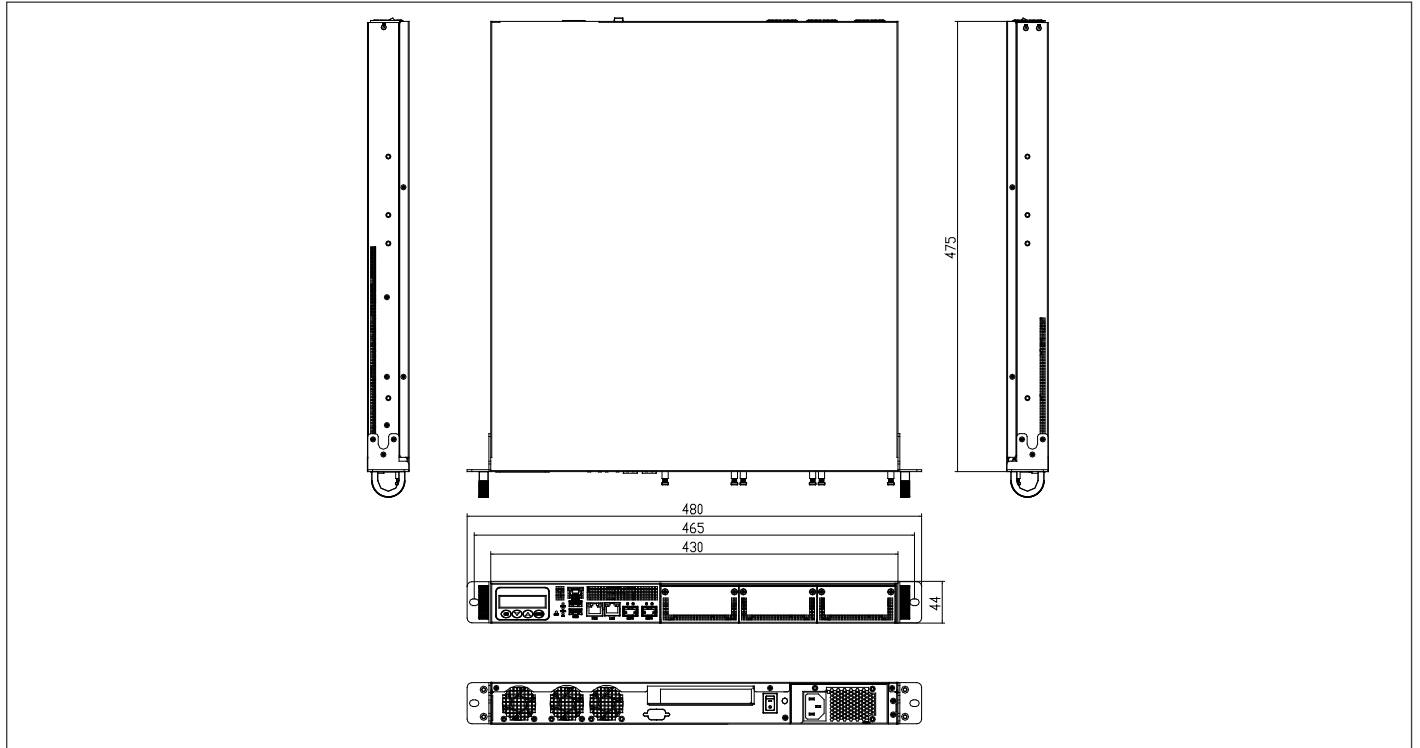
I/O Interfaces

Front Panel	- Power LED x 1 - Status LED x 1 - HDD Active LED x 1 - USB 3.0 Ports x 2 - RJ-45 Console x 1 - Parallel LCM display and 4 keypad x 1 - Software Programmable Switch x 1
Rear Panel	- AC Power Input x 1 - Power Switch x 1 - VGA port (Optional) - Rear Expansion Slot x 1 (Optional PCIe [x4] signal use x8 slot)

FWS-7520

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Storage	Display	LAN	USB	Console	Bypass	Nim Socket	Expansion Slot	Mounting	Power
FWS-7520W3-H25-A10-000	Intel® FCBGA Broadwell DE Xeon Processor	DDR3 RDIMM or ECC/UDIMM (Up to 128GB)	2.5" HDD Bay x 2	—	10G SFP+ x 2, GbE x 1	USB 3.0 x 2	RJ-45 x 1	—	3	PCIe [x8] slot x 1	1U Rackmount	ATX
FWS-7520W3-H25-A10-001	Intel® FCBGA Broadwell DE Xeon Processor	DDR3 RDIMM or ECC/UDIMM (Up to 128GB)	3.5" HDD Bay x 1	—	10G SFP+ x 2, GbE x 1	USB 3.0 x 2	RJ-45 x 1	—	3	PCIe [x8] slot x 1	1U Rackmount	ATX
FWS-7520W3-R220-A10-000	Intel® FCBGA Broadwell DE Xeon Processor	DDR3 RDIMM or ECC/UDIMM (Up to 128GB)	2.5" HDD Bay x 2	—	10G SFP+ x 2, GbE x 1	USB 3.0 x 2	RJ-45 x 1	—	3	PCIe [x8] slot x 1	1U Rackmount	Redundant ATX
FWS-7520W3-R220-A10-001	Intel® FCBGA Broadwell DE Xeon Processor	DDR3 RDIMM or ECC/UDIMM (Up to 128GB)	3.5" HDD Bay x 1	—	10G SFP+ x 2, GbE x 1	USB 3.0 x 2	RJ-45 x 1	—	3	PCIe [x8] slot x 1	1U Rackmount	Redundant ATX

Packing List

- Gift Box (Including Console Cable, Ear Brackets)
- Product DVD
- FWS-7520

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
- **9761752000**
VGA Module for FWS-7520
- **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-S13B-A10-01**
Intel® 82580EB PCI-Express 1G SFP 8 Ports Module for FWS-7520
- **NIM-S13D-A10-01**
Intel® 82580EB PCI-Express 1G SFP 4 Ports Module for FWS-7520
- **NIM-C13B-A10-01**
Intel® 82580EB PCI-Express 1G Copper Ethernet 8 Ports Module for FWS-7520
- **NIM-C13C-A10-01**
Intel® 82580EB PCI-Express 1G Copper Ethernet 4 Ports Module for FWS-7520