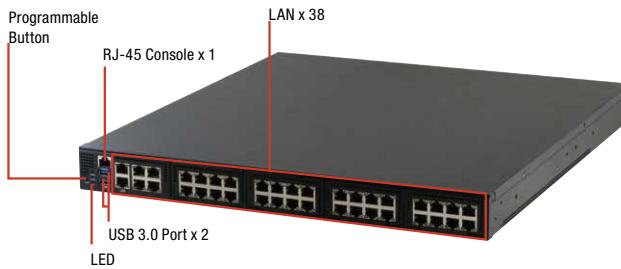
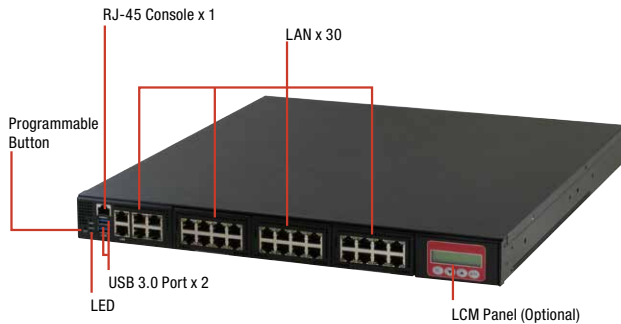


1U Rackmount Network Appliance, Intel® C236 with 4 Network Interface Modules

Front View



Rear View



Specifications

| Platform | |
|--------------------|---|
| Form Factor | 1U Rackmount Network Platform |
| Processor | Intel® 6th Generation Core™/ Xeon Processors |
| Chipset | Intel® C236 |
| System Memory | - DDR4 1600/1866/2133 UDIMM/ECC - Up to 64GB - 288-pin DIMM x 4 |
| Network | |
| Ethernet | 1GbE x 6 + NIM |
| Bypass | Depends on NIM |
| NIM Slot | 4 |
| Display | |
| Graphic Controller | Intel® Integrated |
| Connector | VGA cable (Optional) |

Features

- 1U Rackmount Network Appliance
- 6th Gen. Intel® LGA1151 Core™/ Xeon Processor
- 288-pin DDR4 1600/1866/2133 MHz ECC/U-DIMM x 4 Up to 64 GB
- Up to 10/100/1000Base-TX Ethernet Port x 38 (Depends on NIM)
- Up to 2 SATA 6 GB Ports (Internal 3.5" SATA HDD x 1 or 2.5" SATA HDD x 2)
- CF Socket x 1 (Optional CFast™ Socket or mSATA Slot)
- LCM with Keypad x 1 (3 NIMs Sku)
- RJ-45 for Console x 1, USB 3.0 x 2
- 250W AC Type Power Input Requirement
- VGA Header x 1 (Optional VGA Cable)



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) |

Expansion/Internal Interface

| | |
|----------------------|--|
| PCIe slot | PCIe [x4] signal use [x16] slot (Optional) |
| Mini-PCIe slot | — |
| Keyboard and Mouse | — |
| Universal Serial Bus | Reserve pin-header |
| Miscellaneous | USB 3.0 x 2 Box Header (2.0mm) (optional) |

Miscellaneous

| | |
|-----------------|---|
| RTC | Internal RTC |
| Watchdog Timer | 1~255 steps 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 |
| 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) |

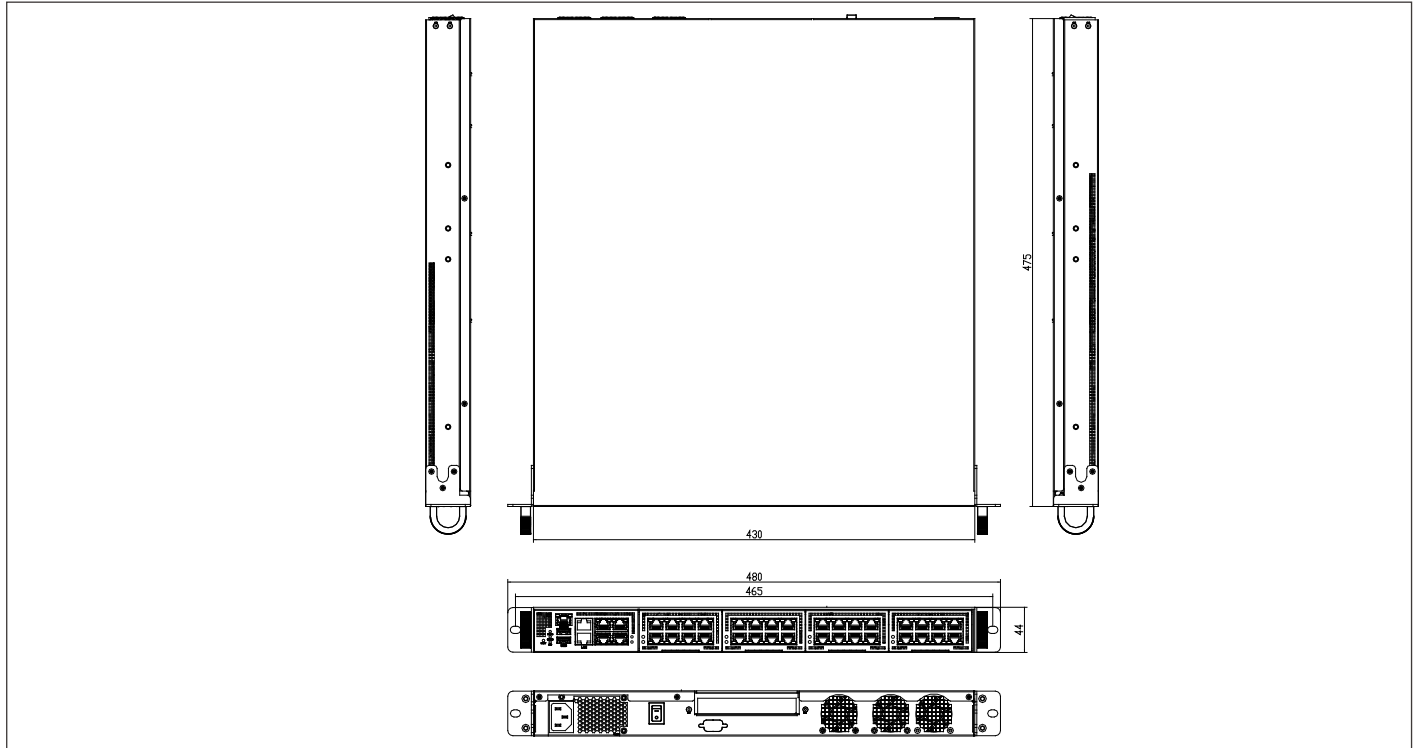
I/O Interfaces

| | |
|-------------|---|
| 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 (Optional w/ NIM slot) - 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 [x16] slot) |

FWS-7820

Dimension

Unit: mm



Ordering Information

| Part Number | CPU | Memory | Storage | Display | LAN | USB | Console | Bypass | Nim Socket | Expansion Slot |
|------------------------|--|------------------------------|---|---------|-------------------------|-------------|-----------|--------|------------|--------------------|
| FWS-7820W6-H25-A10-000 | 6th Generation Intel® Core/Xeon Processors | DDR4 ECC/UDIMM (Up to 128GB) | 3.5" HDD Bay x 1 or 2.5" HDD Bay x 2 (Optional) | — | 10G SFP+ x 2, 1 GbE x 6 | USB 3.0 x 2 | RJ-45 x 1 | — | 3 | PCIe [x8] slot x 1 |

Packing List

- Console Cable
- Ear Brackets
- Product DVD
- FWS-7820

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
- **9761781027**
VGA Cable
- **9761782000**
(TF) 3.5" HDD Module
- **9761782001**
(TF) 2.5" x 2 HDD Module
- **NIM-S26A-A10-01**
Intel® Fortville XL710 PCI-Express 10G SFP+ 4 Ports Module for FWS-7820
- **NIM-S26B-A10-01**
Intel® Fortville XL710 PCI-Express 40G QSFP 2 Ports Module for FWS-7820
- **NIM-S13B-A10-00**
Intel® 82580EB PCI-Express 1G SFP 8 Ports Module for FWS-7820
- **NIM-S13D-A10-00**
Intel® 82580EB PCI-Express 1G SFP 4 Ports Module for FWS-7820
- **NIM-C13B-A10-00**
Intel® 82580EB PCI-Express 1G Copper Ethernet 8 Ports Module for FWS-7820
- **NIM-C13C-A10-00**
Intel® 82580EB PCI-Express 1G Copper Ethernet 4 Ports Module for FWS-7820