

NSP-20H8

Intel® H81 2U Rack Mount Network Security Appliance
With 40G LAN Module

Features

- ✓ 2U Rack Mount of 430mm Depth
- ✓ Support Intel® Gen-4 Core-i/Xeon E3 CPU
- ✓ Support 2x DDR3 RAM up to 16GB
- ✓ 6x Intel® GbE LAN with 2-Pair Bypass
- ✓ Support 1x LAN Module up to 2x 40G
- ✓ 2x Internal 3.5" SATA Drive Bays + 1x CF

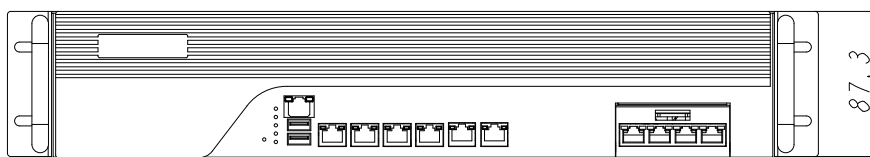
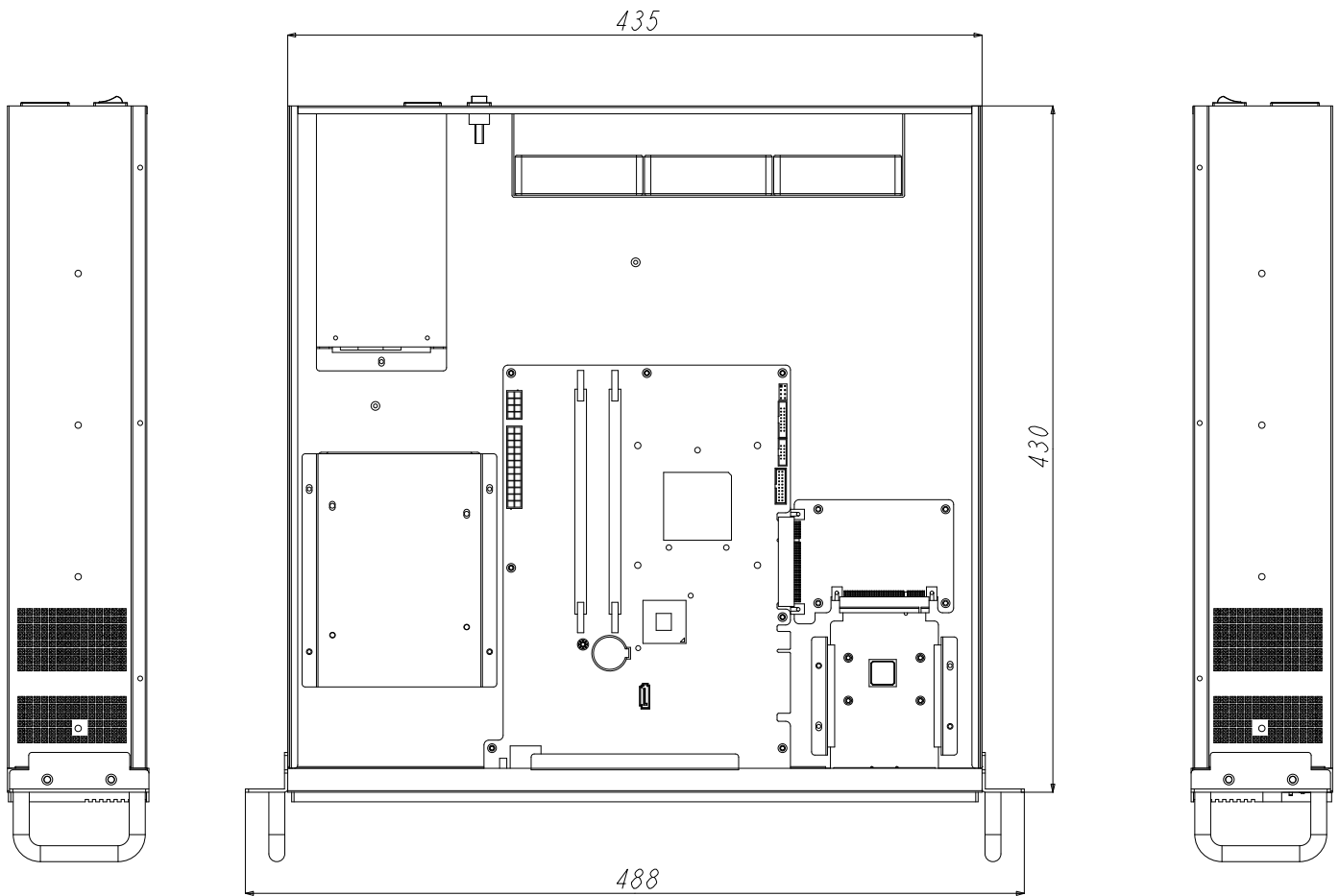
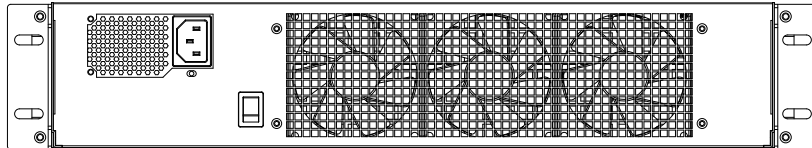


Specifications

Core Engine	Chipset	Intel® H81 PCH
	Processor	Support Intel® Xeon E3-1200 V3 / Gen-4 Core i3, i5, i7, Pentium®, Celeron® Processor Single LGA1150 Processor Socket
	Memory	2x DDR3 1333/1600 ECC/Non-ECC Unbuffered Memory up to 16GB ECC Memory only compatible with E3-1200 V3 Processor
	Display	Intel® HD Graphic
Ethernet	Controller	6x Onboard Intel® 82574L GbE Controllers with 2-Pair Dual-Latch Bypass
	LAN Module	Support 1x PCIe 3.0 X8 Slot for LAN Module
Storage	SATA	2x Internal 3.5" (or 2.5") SATA3 Drive Bays
	CF	1x CompactFlash Socket
Front I/O	Indication	1x Power LED, 1x HDD LED, 1x Status LED, 2x Bypass LEDs
	LAN	6x RJ45 1G LAN Port
	Console	1x RJ45 Type Console Port
	USB	2x USB 2.0 Ports
Rear I/O	Switch	1x Rock Type Power Switch
	VGA	1x Optional DB15 VGA Port
	Power Inlet	1x
Expansion	PCIe	1x Straddle Type PCIe 3.0 X8 Slot
Power	Type	Internal 300W Single Power Supply, 100-240Vac, 50-60Hz
Cooling	CPU Fan	1x CPU Cooler Fan
	System Fan	2x 80mm System Fans at rear side (Optional 3x System Fans)
Other	H/W Monitoring	Monitor temperature, voltage, and fan speed, auto-throttling control at CPU overheat

Environment	Operating Temp.	0°C ~ 40°C
	Storage Temp.	-20°C ~ 70°C
	Humidity	10% ~ 90% (Non-Condensing)
Mechanical	Dimension	435mm (W) x 430mm (D) x 88mm (H)

Mechanical Drawing



Ordering Guide

Ordering Code	Description
NSP-20H8	Intel® H81 2U Rack Mount Network Security Appliance

Options

Processor	
Ordering Code	Description
E3-1225 V3	Haswell 22nm, 3.2GHz, 4-core, 4-thread, 8MB Cache, 84W
E3-1275 V3	Haswell 22nm, 3.5GHz, 4-core, 8-thread, 8MB Cache, 84W
i7-4770S	Haswell 22nm, 3.1GHz, 4-core, 8-thread, 8MB Cache, 65W
i7-4770TE	Haswell 22nm, 2.3GHz, 4-core, 8-thread, 8MB Cache, 45W
i5-4570TE	Haswell 22nm, 2.7GHz, 2-core, 4-thread, 4MB Cache, 35W
i3-4330TE	Haswell 22nm, 2.4GHz, 2-core, 4-thread, 4MB Cache, 35W

LAN Module	
Ordering Code	Description
BEM-H81-710-F2	2x 40G QSFP (Intel® XL710-AM2)
BEM-H81-710-F4	4x 10G SFP+ (Intel® XL710-AM1)
BEM-C600-599-F2	2x 10G SFP+ (Intel® 82599ES)
BEM-C600-580-F4	4x 1G SFP (Intel® 82580EB)
BEM-C600-580-C4	4x 1G RJ45 (Intel® 82580EB), w/1-Pair LAN Bypass