FW-8875

Intel 5520 Based Sever-Grade Network Communication Appliance

2 x USB

4 x GbE Ports Default

2 x Ethernet Modules

LCD Module

Console Port

4 x Hot-Swappable Fans
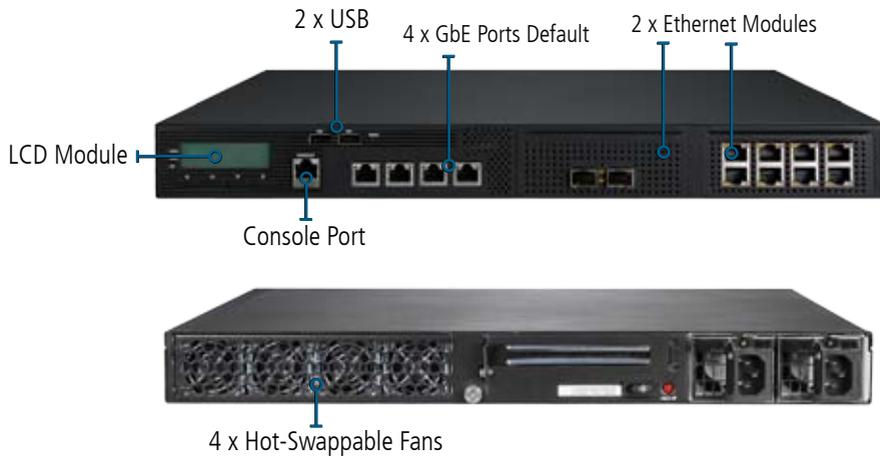
Features

Multicore Processing with Energy Saving Performance

Constructed around the Intel server-grade 5520 chipset, the FW-8875 is an example of low power consumption and high computing execution in a network appliance. Bleeding-edge Quad-Core Xeon 5500 series processors improve processing capacity with less relative power consumption, translating into increased productivity while providing greater thermal management and energy saving.

Fast Networking IO

Along with support for a Quad-Core Xeon processer, the FW-8875 supports DDR3 memory

technology together with Intel's advanced Quick Path Interconnect and PCI-E Gen 2 I/O to provide increased system performance and reduced power consumption. PCI-Express bus networking data paths eliminate performance bottlenecks by efficiently handling large address and data packets that your system may encounter.

Hardware Acceleration

The optional onboard Cavium accelerator board processes IPsec and IKE, IPv6, SSL and Wireless LAN security protocol macro commands, which reduce host I/O traffic and dramatically offload system processes to increase total system throughput.

Customization for Future Needs

Supporting twelve Ethernet ports via three front facing optional modules, the FW-8875 offers great customization options now and considerable hardware expansion capabilities to meet future needs.

RoHS Compliant

Our pre-tested RoHS compliant systems give you the advantage of global compliance with today's growing standards of environmental safety.

Dimensions: 442 x 44 x 520 mm

550

431

44
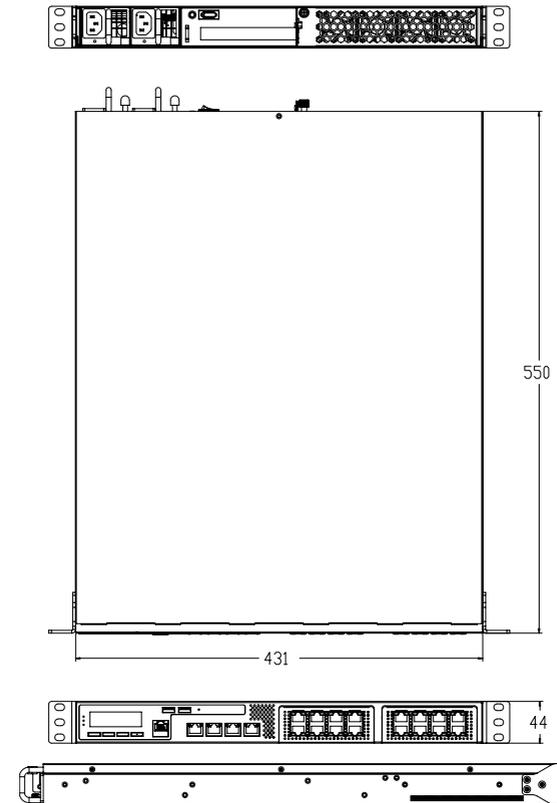
Specifications

Form Factor		1U Rackmount
Platform	Processor Options	Intel Xeon 5500/5600 on LGA 1366
	Chipset	Intel 5520 + ICH10R
BIOS		AMI BIOS 32Mbit SPI Flash ROM x 2
System Memory	Technology	Triple-Channel DDR3 800/1066/1333 MHz Registered ECC or unbuffered, ECC or non-ECC
	Max. Capacity	24GB
	Socket	6 x 240P DIMM
OS Support		Windows 2000, 2003, XP, 7. Linux kernel 2.4 and up, OpenBSD, FreeBSD
Storage	HDD Bays	2 x 2.5"
	CompactFlash	1 x Type II CompactFlash
Networking	Ethernet Ports	4 x GbE RJ45 default 20 GbE ports max.
	Bypass	2 pairs G2
	Controllers	2 x Intel 82571EB
	Ethernet Modules	2
	Management Port	N/A
	Security Acceleration	Cavium CN1620 (optional)
I/O Interface	Reset Button	1 x reset button Software reset by default
	Console	1 x RJ45
	USB	2 x USB 2.0
	IPMI via OPMA slot	N/A
Expansion	PCIe	1 x PCI-E*8 expansion (optional)
	PCI	1 x Mini PCI
Cooling	Processor	CPU heatsink with fan duct
	System	4 x independent hot-swappable cooling fans with smart fan control
Environmental Parameters	Temperature, ambient operating / storage	0 ~ 40º C / -20~70º C
	Humidity (RH), ambient operating / ambient non-operating	5~95%, non-condensing
Miscellaneous	LCD Module	2 x 20 characters
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	442 x 44 x 520 mm
	Weight	12 kg
Power	Type / Watts	1 + 1 ATX redundant powers 400W / each
	Input	AC 90~264V @47~63 Hz
Approvals and Compliance		CE emission, FCC Class A, RoHS

Ordering Information

FW-8875A	1U Intel Xeon 5500 Network Appliance Platform with integrated Cavium CN1620
FW-8875B	1U Intel Xeon 5500 Network Appliance Platfor