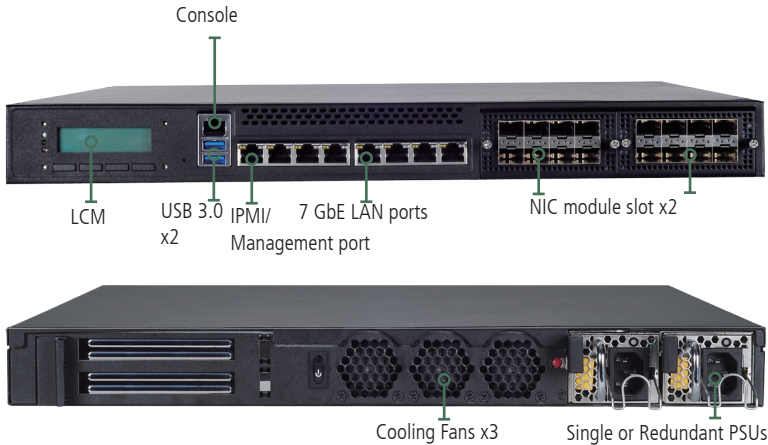


# FW-8771

**Rackmount x86 Network Security Platform Based on Intel® Xeon® E3-1200 v3 processor (Haswell)**



## Features

### Intel® Xeon® E3-1200 v3 processor

Based on the new Intel® 22nm process architecture, the processor improves CPU performance and efficiency in power consumption. The Intel® AES New Instruction (AES-NI) enhancements use hardware-based acceleration to encrypt/decrypt the data. The improvements in processing performance is over 10% compared with the previous generation Ivy Bridge. This allows network appliances to operate at ultra-high speed.

### Compact Rackmount 1U with Shorter Depth Design

Engineered for applications with limited space, this product has dimensions that permit deployment in small cabinets, machinery, and almost any place necessary. The depth is 15% shorter than previous generation. Despite its compact size, it has 8 GbE ports.

### IPMI/Management port

FW-8771 includes one IPMI/management port for in-band management and out-of-band remote management.

### LAN Bypass

FW-8771 support 3 pairs Gen.3 LAN Bypass function. Bypass ports allow users to have uninterrupted network traffic even if a single in-line appliance is shut down or is hung.

### Expandable with Lanner Ethernet Modules

Lanner's unique modular design allows you to mix and match your networking ports to suit your needs. Ethernet network modules have options including RJ45 with bypass, fiber bypass and 10Gbps modules. The maximum port density is up to 24 ports. (SKU C only)

### ECC Memory Support

FW-8771 supports Error-Correcting Code (ECC) memory technology, a server-grade memory technology that can identify and correct memory corruption automatically. With ECC, system performance is more secure and stable.

### Redundant Power Supply Units

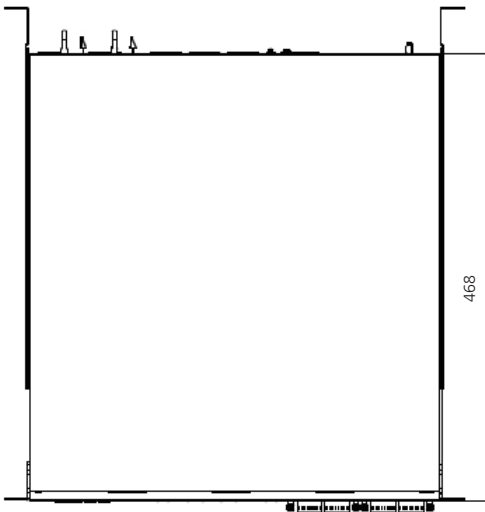
By having dual power supplies both connected to different power sources, users safeguard their appliance against electrical failure. (SKU C only)

### Watchdog

The embedded watchdog monitors the system so that it can automatically trigger a reset if software hangs. This essential feature offers improved uptime for network appliances.



## Dimensions: 431 x 44 x 468 mm



# Preliminary Specifications

<b>Form Factor</b>		Rackmount
<b>Platform</b>	Processor Options	Intel® Xeon® processor E3-1275 v3, E3-1225 v3(Haswell) and other LGA1150 processors
	Chipset	Intel C226 Chipset (Lynx Point PCH)
<b>OS Support</b>		Windows 7,8,2000, XP, Vista, Server 2008, 2012, Linux Kernel 2.6 or above
<b>BIOS</b>		AMI BIOS 64Mb
<b>System Memory</b>	Technology	Dual-Channel DDR3 1066 / 1333 / 1600 MHz unbuffered, ECC or non-ECC
	Max. Capacity	32GB
	Socket	4 x 240-pin DIMM
<b>Storage</b>	HDD Bays	2 x 2.5" HDD kit
	CF/SD	1 x CFast
<b>Networking</b>	Ethernet Ports	8x GbE RJ-45 ports
	Bypass	3 pairs Gen.3 LAN Bypass
	Controllers	8x Intel i210
	Ethernet Modules	N/A or Two
	Management Port	One, share with IPMI port
<b>I/O Interface</b>	Reset Button	Yes
	Console	1 x RJ45
	USB	2 x USB 3.0
	IPMI via OPMA slot	Yes
<b>Expansion</b>	PCIe	2x PCIex8 for NIC (Optional Rear PCIe)
	PCI	N/A
<b>Cooling</b>	Processor	Passive heatsink
	System	3 x Cooling Fan
<b>Environmental Parameters</b>	Temperature, ambient operating / storage	0 ~ 40° C / -20~70° C
	Humidity (RH), ambient operating / ambient non-operating	5~90%, non-condensing / 5~95%, non-condensing
<b>Miscellaneous</b>	LCD Module	2 x 20 characters
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
<b>Physical Dimensions</b>	Dimensions (WxHxD)	431 x 44 x 468 mm
	Weight	7 Kg
<b>Power</b>	Type / Watts	270W Single Power Supply or Redundant 300W PSUs
	Input	110~240V AC
<b>Approvals and Compliance</b>		CE Emission, FCC Class A, RoHS

## Ordering Information

<b>FW-8771A</b>	Rackmount x86 Network Security Platform Based on Intel® Xeon® processor E3-1200 v3 family (Haswell) + 8 GbE LAN ports with 3 pairs Gen.3 LAN Bypass, single PSU, LCM with keypad
<b>FW-8771C</b>	Rackmount x86 Network Security Platform Based on Intel® Xeon® processor E3-1200 v3 family (Haswell) + 8 GbE LAN ports + 2x NIC module expansion slots with 3 pairs Gen.3 LAN Bypass, redundant PSUs, LCM with keypad

## Compatible NIC Modules

Slim Module	Ports	Chipset	Bypass
NCS2-IGM428A	4 GbE RJ45	Intel i350AM-4	2 pairs Gen3
NCS2-IGM428B	4 GbE RJ45	Intel i350AM-4	N/A
NCS2-ISM405A	4 GbE SFP Fiber	Intel I350-AM4	2 pairs
NCS2-ISM406A	4 GbE SFP Fiber	Intel I350-AM4	N/A
NCS2-ITM202A	2 10G RJ45	2 x Intel X540	N/A
NCS2-IXM204A	2 10G SFP+ Fiber	Intel 82599ES	N/A
NCS2-IXM205A	2 10G SFP+ Fiber	Intel 82599ES	1 pair
NCS2-IXM405A	4 10G SFP+ Fiber	Intel 82599ES	N/A
NCS2-IGM808A	8 GbE RJ45	Intel i210AT	4 pair Gen.3
NCS2-IGM808B	8 GbE RJ45	Intel i210AT	N/A

## Optional Accessories

Part Number	Description
IAC-AST2300	IPMI Card