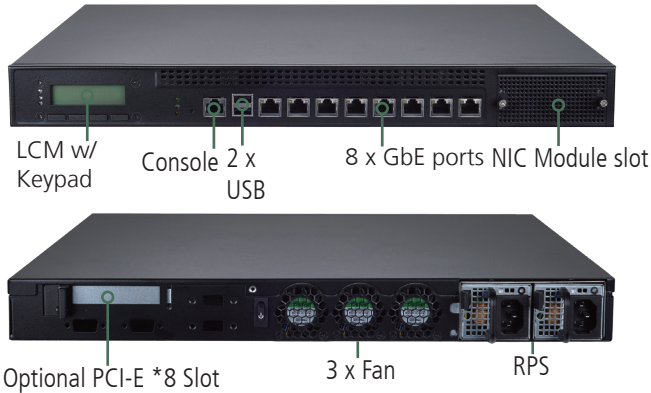# FW-8759

Rackmount x86 Network Security Platform Based on 4th Generation Intel® Xeon E3-1200 v3 or Core® i7/i5/i3 Series processor (Codenamed "Denlow")

LCM w/ Keypad   Console   2 x USB   8 x GbE ports   NIC Module slot

Optional PCI-E *8 Slot   3 x Fan   RPS

FW-8759C

Features

4th Generation Intel® Core™ processor i7/i5/i3 series with C226 (codenamed "Denlow")

The 4th Generation Intel® Core™ processor i7/i5/i3 series with C226 (codenamed "Denlow") is a quad or dual-core processor featuring 22nm process technology with Tri-Gate transistors. Intel AES New Instruction (AES-NI), allow security algorithms to benefit from hardware acceleration for data encryption and decryption. The platform support dual-channel DDR3/DDR3L 1600 MHz memory at 1.5/1.35 V, thus it has power and space efficiency. The platform targeted at entry to mid branch office routers, security appliances, UTM or Next Generation Firewall appliances.

Intel's AES-NI Technology

With Intel new Haswell CPU, the FW-8759 can take full advantage of Intel's AES-NI technology to improve data encryption and decryption performance.

Watchdog Control LAN Bypass & Power Off LAN Bypass

The embedded watchdog monitors the system so that it can automatically trigger a reset if software hangs ; bypass ports allow users to have uninterrupted network traffic even if a single in-line appliance is shut down or is hung. Both are essential features of a network appliance. FW-8759 support optional 3 pairs of Generation 3 LAN Bypass.

Lanner

Up to 7 Years Lifecycle Support

For Intel-based systems using chipsets and CPUs from Intel's embedded group we offer up to 7 years lifecycle support. This makes it possible for our customers to support their appliances for a longer time after deployment when compared to standard Intel server and desktop processors. Longer lifecycles can also be arranged by jointly planned inventories.

IPMI/Management port (By Project)

FW-8759 includes one IPMI/ management port for in-band management and out-of-band remote management.

ECC Memory Support

FW-8759 supports Error-Correcting Code (ECC) memory technology, a servergrade memory technology that can identify and correct memory corruption automatically. With ECC, system performance is more secure and stable.

DDR3/L Low Voltage Memory Support

The FW-8759 supports DDR3L low voltage (1.35V) memory, it provides power and space efficiency.

Dimensions (W x H x D): 438 x 44 x 415 mm

Preliminary Specifications

Form Factor		Rackmount 1U
Platform	Processor Options	4th Generation Intel® Xeon E3-1200 v3 or Core™ i7/i5/i3 series processor with C226 (Codenamed "Denlow")
	Chipset	C226
OS Support		Windows 7,8,2000, XP, Vista, Server 2008, 2012, Linux Kernel 2.6 or above
BIOS		AMI BIOS 64 MB
System Memory	Technology	Dual-channel DDR3/DDR3L 1066/1333/1600 MHz, un-buffered, ECC or non-ECC, 1.5V/1.35V
	Max. Capacity	16 GB
	Socket	2 x 240-pin DIMM
Storage	HDD Bays	2 x 2.5" HDD/SSD kit (reserved 1 x 3.5")
	CF/SD	1 x CF card Type II
Networking	Ethernet Ports	8 x GbE RJ-45 onboard, Maximum up to 16 ports
	Bypass	3 pairs Gen.3 (Optional)
	Controllers	1 x Intel i217, 7 x Intel i210AT
	Ethernet Modules	1
	Management Port	1 x GbE RJ-45
I/O Interface	Reset Button	1 x reset button
	Console	1 x RJ-45
	USB	2 x USB 2.0
	IPMI via OPMA slot	By Project
	Display	N/A
Expansion	PCIe	1 x PCIE x8 expansion for NIC Module, 1 x Low-profile PCI-E *8 (Optional)
	PCI	N/A
Cooling	Processor	CPU heatsink with fan duct
	System	3 x cooling Fan with smart fan control
Environmental Parameters	Temperature, ambient operating / storage	0 ~ 40º C / -20~70º C
	Humidity (RH), ambient operating / ambient non-operating	5~90%, non-condensing / 5~95%, non-condensing
Miscellaneous	LCD Module	2 x 20 LCM with keypad
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	438 x 44 x 415 mm
	Weight	10 kg
Power	Type / Watts	FW-8759A: 220W single ATX PSU FW-8759C: 300W redundant PSUs
	Input	AC 90~264 V @47~63 Hz
Approvals and Compliance		CE Class A, FCC Class A, RoHS

Lanner

Ordering Information

FW-8759A	Rackmount x86 Network Security Platform based on 4th Generation Intel® Xeon E3-1200 v3 or Core^{TM} i7/i5/i3 series processor with C226 (Codenamed "Denlow"), 8 Intel GbE LAN ports with Gen.3 Bypass, 220 W ATX PSU
FW-8759C	Rackmount x86 Network Security Platform based on 4th Generation Intel® Xeon E3-1200 v3 or Core^{TM} i7/i5/i3 series processor with C226 (Codenamed "Denlow"), 8 Intel GbE LAN ports with Gen.3 Bypass, 300 W ATX Redundant PSUs

V3.2