FW-8877

Intel Xeon® E5-2600 v1/v2 Processor-based Rackmount 1U x86 Network Security Platform

LCM · Mgmt / IPMI · NIC module · NIC module · NIC module · NIC module · Console · USB

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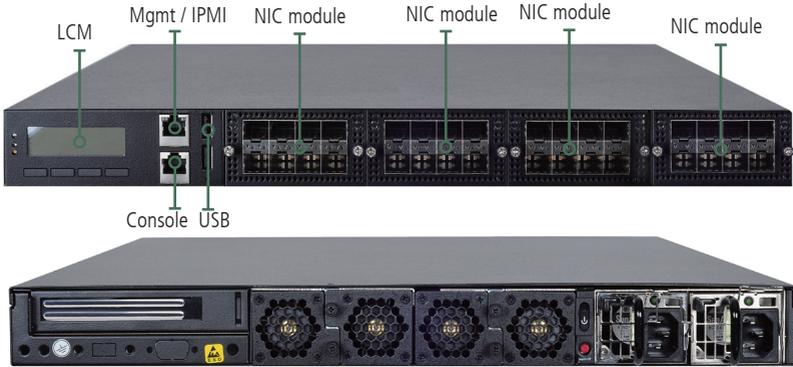
Features

Intel's New Communications Platform (Romley) with Next Generation Intel Processor

The FW-8877 supports 2nd generation Intel E5-2600 processor in the LGA 2011 package. The FW-8877 supports motherboards with quad-channel memory, up to 64GB of RAM and 40 PCIe 3.0 lanes.

Compact Rackmount 1U Design

Engineered for applications with limited space, this product has dimensions that permit deployment in small cabinets, machinery, and almost any place desired. Despite its 1U compact height, it has 4 NIC module slots to provide maximum flexibility.

LAN Bypass

FW-8877 support 4 NIC module slots, with LAN Bypass support up to NIC module Bypass support specification.

IPMI/Management port

FW-8877 includes one IPMI/ management port for in-band management and out-of-band remote management.

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 32 ports.

ECC Memory Support

FW-8877 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.

Lanner

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.

Redundant Power Supply Units

By having dual power supplies, each connected to different power sources, users safeguard their appliance against electrical failure.

Dimensions (W x H x D): 438 x 44 x 580 mm

44

438

580
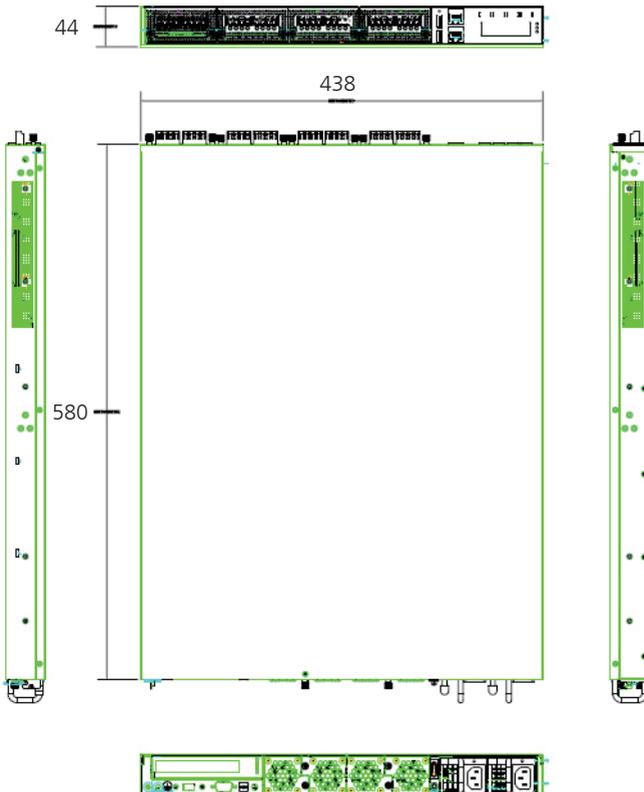
Specifications

Form Factor		Rackmount
Platform	Processor Options	Intel® Xeon® processor E5-2600 v1/v2 series on LGA2011 (Sandy Bridge-EP or Ivy Bridge-EP)
	Chipset	Intel C602J series Chipset
OS Support		Windows 7,8,2000, XP, Vista, Server 2008, 2012, Linux Kernel 2.6 or above
BIOS		AMI BIOS 64Mb
System Memory	Technology	Quad-channel DDR3 800/1066/1333/1600 MHz (Registered ECC or unbuffered, Ecc or non-ECC)
	Max. Capacity	64 GB
	Socket	8 x 240-pin DIMM
Storage	HDD Bays	1 x 3.5″ or 2 x 2.5″ HDD/SSD kit
	CF/SD	1 x CF card Type II
Networking	Ethernet Ports	1x RJ-45 with LED for Management port (Optional LOM port)
	Bypass	Depends on NIC module Bypass specification
	Controllers	Intel i210
	Ethernet Modules	Four
	Management Port	One, share with IPMI port
I/O Interface	Reset Button	Yes
	Console	1 x RJ45
	USB	2 x USB 2.0
	IPMI via OPMA slot	Option
	Display	N/A
Expansion	PCIe	1 x PCI-E*8 expansion (optional)
	PCI	N/A
Cooling	Processor	CPU heatsink with fan duct
	System	4x independent hot-swappable cooling Fans with smart fan control
Environmental Parameters	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
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 580 mm
	Weight	16 kg
Power	Type / Watts	400W Redundant Power Supply Units
	Input	90~264V@47~63Hz
Approvals and Compliance		CE Class A, FCC Class A, RoHS

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Ordering Information

FW-8877A	Intel Xeon® E5-2600 v1/v2 Processor-based Rackmount 1U x86 Network Security Platform + 4x NIC module expansion slots +1 GbE Mgmt. port, Redundant PSU

Compatible NIC Modules

Slim Module	Ports	Chipset	Bypass
NCS2-IGM427A	4 GbE RJ45	Intel® Cave Creek	2 pairs Gen2
NCS2-IGM427B	4 GbE RJ45	Intel® Cave Creek	N/A
NCS2-ISM405A	4 GbE SFP Fiber	Intel® I350-AM4	2 pairs
NCS2-IGM428A	4 GbE RJ45	Intel® i350AM-4	2 pairs Gen3
NCS2-IGM428B	4 GbE RJ45	Intel® i350AM-4	N/A
NCS2-ISM406A	4 GbE SFP Fiber	Intel® I350-AM4	N/A
NCS2-ISM802A	8 GbE SFP Fiber	2 x 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

Optional Accessories

Part Number	Description
IAC-AST2300	IPMI Card
IAC-MVGA02Z	OPMA VGA Card
AV-ICE01	VPN Acceleration Card with Intel® Cave Creek 8910
AV-CVE20000	VPN Acceleration Card with Cavium® CNN3550