# FW-8895

#### **High Performance 2U Rackmount Network Security System based on Intel Xeon** E5-2600 v1 and v2 Series CPU with C600 chipset

FW-8895A/B



#### **Features**

#### **Intel's New Communications Platform (codenamed Romlev)** with Dual Next Generation **Intel Processor**

The FW-8895 has dual next generation Intel processors built in, with a total of 16 cores. The FW-8895 supports mother boards with guad-channel memory, up to 128GB of RAM and 80 PCIe 3.0 lanes.

#### Next Generation Communications Platform from Intel

Intel's latest chipset comes with the Intel Quick Assist 1.5 technology, coupled with Intel's next generation CPU, the FW-8895 is capable of meeting the demand for computing power and for accelerating security packet processing.

#### 600/800 W Redundant Power

Dual power supplies are utilized to ensure a constant flow of power for appliances that need to be on 24 hours a day, 7 days a week, 52 weeks a year; every failure, regardless of the length of time, is equal to lost dollars. The FW-8895's dual power supplies allow redundancy protection for users that have highly sensitive networks. For maximum effectiveness, these power supplies should be connected to different sources of electricity (i.e. wall socket + battery).

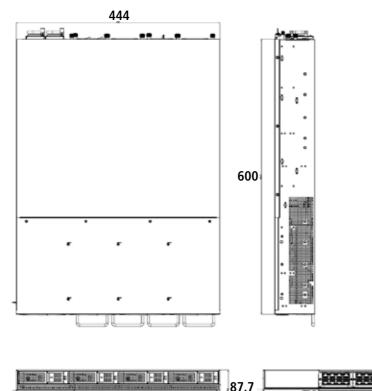


#### **Expandable Ethernet Modules**

The FW-8895 can be fitted with up to eight Ethernet modules, increasing the number of GbE ports to a total of 64. When the FW-8895 is fitted with only four Ethernet modules, the option of having four 3.5" HDD bays with SATA or SAS interface (Patsburg-D only) is available.

#### Wind River Development Kit

A Wind River development kit is designed for FW-8895 to give you a short-cut for developing applications with Intel DPDK. Wind River also provides written instructions, video tutorials and a 2-day DPDK training course. FW-8895 with the Wind River Development Kit offer the fastest development path for those that wish to leverage Intel's DPDK. (This is a 30-day evaluation kit).



#### Dimensions: 444 x 87.7 x 600 mm

## **Specifications**

Form Factor		2U Rackmount	
Platform	Processor Options	2 x Intel® Xeon® processor E5-2600 v1 and v2 Series on LGA2011 (Sandy Bridge-EP or Ivy Bridge-EP)	
	Chipset	Intel C600 series Chipset	
OS Support		Windows 2003/2008 Server, Linux kernel 2.6 or above	
BIOS		AMI BIOS 64 Mb	
System Memory	Technology	DDR3 1333 MHz ECC DIMM or DDR3 1333/1600 MHz Registered DIMM	
	Max. Capacity	128 GB	
	Socket	16 x 240-pin DIMM	
Storage	HDD Bays	2 x 3.5" or 4 x 3.5" HDD	
	CF/SD	1 x CF card Type II ast	
Networking	Ethernet Ports	1x RJ-45 with LED for Management port (Optional LOM port)	
	Bypass	Depends on NIC module Bypass specification	
	Controllers	2 x Intel 82574L	
	Ethernet Modules	8	
	Management Port	One, share with IPMI port	
	Reset Button	1 x reset button, Software reset by default	
	Console	1 x RJ45	
I/O Interface	USB	2 x USB 2.0	
	IPMI via OPMA slot	Optional	
	Display	N/A	
<b>F</b>	PCle	1 x PCI-E*8 expansion (optional)	
Expansion	PCI	N/A	
	Processor	CPU heatsink with fan duct	
Cooling	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	128 x 32 LCM with keypad (Graphic optional)	
	Watchdog	Yes	
	Internal RTC with Li Battery	Yes	
Physical Dimensions	Dimensions (WxHxD)	444 x 87.7 x 600 mm	
	Weight	25 kg	
Power	Type / Watts	1+1 ATX 600/800 W Redundant Power Supply Units	
	Input	90~264 V@47~63Hz	
Approvals and Con	npliance	CE Class A, FCC Class A, RoHS, UL	



## **Ordering Information**

FW-8895A	Support 8 Ethernet modules & 2 hard drive, with CN1620	
FW-8895B	Support 8 Ethernet modules & 2 hard drive, without CN1620	
FW-8895C	Support 4 Ethernet modules + 4 hard drives, with CN1620	
FW-8895D	Support 4 Ethernet modules + 4 hard drives, without CN1620	

### **Compatible NIC Modules**

Slim Module	Ports	Chipset	Bypass
NCS-IGM427A	4 GbE RJ45	Intel Cave Creek	2 Pairs G3
NCS-IGM427B	4 GbE RJ45	Intel Cave Creek	N/A
NCS-IGM806A	8 GbE RJ45	2 x Intel I350-AM4	4 Pairs G3
NCS-IGM806B	8 GbE RJ45	2 x Intel I350-AM4	N/A
NCS-IGM808A	8 GbE RJ45	Intel i210AT	4 Pairs G3
NCS-IGM808B	8 GbE RJ45	Intel i210AT	N/A
NCS-ISM405A	4 GbE SFP Fiber	Intel I350-AM4	2 Pairs of Fiber Bypass
NCS-ISM406A	4 GbE SFP Fiber	Intel I350-AM4	N/A
NCS-ISM802A	8 GbE SFP Fiber	2 x Intel I350-AM4	N/A
NCS-ITM202A	2 10G RJ45	2 x Intel X540	N/A
NCS-IXM204A	2 10G SFP+ Fiber	Intel 82599ES	N/A
NCS-IXM205A	2 10G SFP+ Fiber	Intel 82599ES	1 Pair of Fiber Bypass
NCS-IXM405A	4 10G SFP+ Fiber	Intel 82599ES	N/A
NCS-MTX401A	4 10G SFP+ Fiber	Tilera TILE-Gx8036	with Bypass
NCS-MTX401B	4 10G SFP+ Fiber	Tilera TILE-Gx8036	N/A

### **Optional Power Cords**

080W240318304	RoHS AU 3P/3P L=183CM(YP-35+YC-12)
080W240318307	RoHS CN 3P/3P L=183CM(YP-03+YC-12)
080W240318305	RoHS EU 3P/3P L=183CM(YP-22+YC-12)
080W240318301	RoHS UK 3P/3P L=183CM(YP-61+YC-12)
080W240318306	RoHS US 3P/3P L=183CM(YP-12+YC-12)
080W240318310	RoHS POWER CABLE 3P 183CM(YP-81+YC-12)IND YUNGLI