

# FWA-4208

**1U Rack-mount Network Application Platform  
based on Intel® Xeon® X3400 Processor or  
Intel® Core™ i5/i3 Processor**

**NEW**



## Features

- Supports Intel® Xeon® X3400 Processor or Intel® Core™ i5/i3 Processor
- Supports 4 x DDR3 ECC/REG 1066/1333 DIMMs, up to 32 GB or 4 x DDR3 ECC Un-buffered 1066/1333 DIMMs, up to 16 GB
- 9 x 10/100/1000 Mbps LAN ports
- Supports 1 x 3.5" SATA HDD
- Supports 2 x PCIe Full-height/Half-length add-on cards
- Supports 1 x Express LAN module (Option)

## Introduction

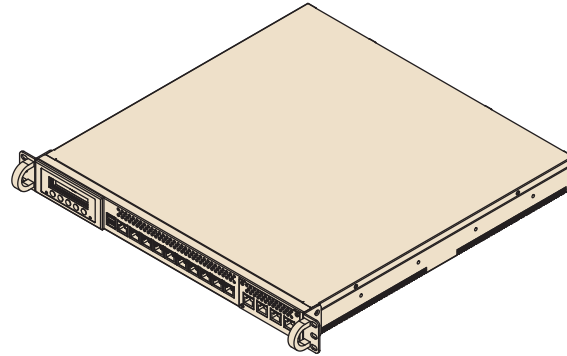
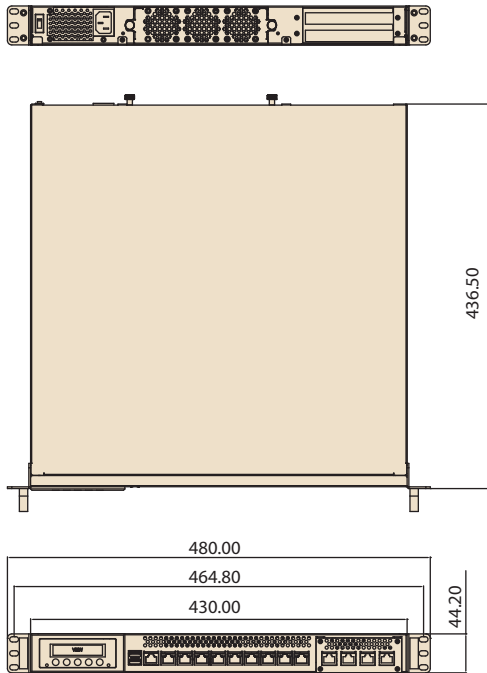
The FWA-4208 is an optimized industry standard 1U platform that supports new generation Intel® Xeon® X3400 processor and DDR3-1333 MHz memory up to 32 GB capacity. The FWA-4208 provides unprecedented performance, connectivity and throughput without compromising on system thermal design. By leveraging PCIe Gen.2 technology, the platform maximizes the I/O throughput by taking full advantage of the Intel® Xeon® X3400 processor capability. Multiple Gigabit Ethernet controllers to provide bi-directional 2 Gb/s peak bandwidth at wire speed for each port and the PCIe interface connect to Intel® 3420 PCH directly. The system supports up to 9 x Gigabit Ethernet ports, 1 x PCIe x 4 NIC module, up to 2 x PCIe Gen.2 x 8 expansion slots, and 1 x 3.5 inch internal SATA HDD. It is FCC, CE, UL, CCC, and RoHS compliant.

## Specifications

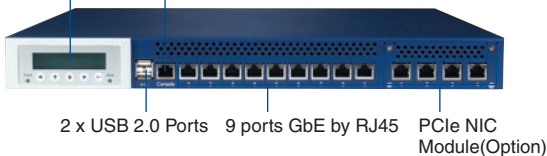
Processor	CPU	Intel® Xeon® X3400 processor/ Intel® Core™ i5/i3 processor	
	Max. Speed	2.93 GHz/3.06 GHz	
	L2 Cache	4MB/8MB	
Chipset	PCH	Intel® 3420 PCH	
Memory	Technology	DDR3 1333/1066 MHz ECC/REG or ECC Un-buffered memory	
	Capacity	Supports up to 32 GB DDR3 ECC Registered memory (RDIMM) Supports up to 16 GB DDR3 ECC Un-buffered memory (UDIMM)	
PCI-Express	Expansion Slot	2 x PCIe Gen2 x 4 internal Gold fingers for NIC module 1 x PCIe Gen2 x 8 Expansion slot	
	Riser Card	2 x PCIe Gen2 x 8 slots by 2 x PCIe Gen2 x 4 Lanes Supports full-height/half-length cards and external access	
Ethernet	Gigabit Port	9 x Intel 82574L 10/100/1000 Mbps Ethernet	
	LAN Bypass	Up to 4 segments on Gigabit Ethernet ports	
	Express Module	Supports 1 x 4 ports GbE module by RJ45/SFP interface	
Storage	SATA	1 x 3.5" SATA Hard Disk Drive internal	
	Compact Flash	1 x CF Socket	
Peripheral	USB	2 x USB2.0 connectors	
	Serial	1 x Console port by RJ-45 connector	
	LCD Module	1	
Power	Watt	250W	
	Input	AC 100 ~ 240 V @ 50 ~ 60 Hz, full range	
Environment	Operating	Non-Operating	
	Temperature	0 ~ 40° C (32 ~ 104° F)	-20 ~ 75° C (-4 ~ 167° F)
	Humidity	5 ~ 85% @ 40° C (104° F)	5 ~ 95%
Physical	Dimension (W x H x D)	440 x 44 x 482mm(17" x 1.7" x 19")	
	Weight	10Kg (lb)	

## Dimensions

Unit: mm (inch)

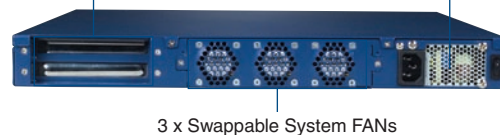


LCD Module  
(16 characters, 2 Lines) Console Ports by RJ45



2 x PCIe Gen. 2 x 8 expansion slots by riser card

250W AC PSU



## Ordering Information

Part Number	Configuration
FWA-4208E	FWA-4208 1U barebone

## Accessory

P/N	Description
1702002600	3P 180 cm, USA
1702002605	3P 180 cm, Europe
1702031801	3P 180 cm, UK
1700000237	3P 180 cm, JP

## Packing List

P/N	Description
1700002463	CABLE RJ45 to Console 9P 220 cm T

\* Advantech may make changes to specification and product descriptions at any time, without notice.