

# FWA-3210A/B

**1U Rackmount Network Application Platform based on Intel® Xeon™ E3 series and 2<sup>nd</sup> generation Core™ i7/i5/i3 processors**

**NEW**



## Features

- Supports Intel® Xeon® E3-1225/E3-1275 (FWA-3210A only) and 2<sup>nd</sup> generation Core™ i7-2600/i5-2400 (FWA-3210B only) and i3-2120 / Pentium®-G850 / Celeron®-G540 Processors
- Supports four DDR3 Un-buffered 1066/1333 DIMMs, up to 32 GB (FWA-3210A); two DDR3 Un-buffered 1066/1333 DIMMs, up to 16 GB (FWA-3210B)
- Six 10/100/1000 Mbps LAN on Board with up to 3 bypass segments
- One 3.5" or One 2.5" SATA HDD / SSD
- Two Advantech Network Mezzanine Cards (NMCs)



## Introduction

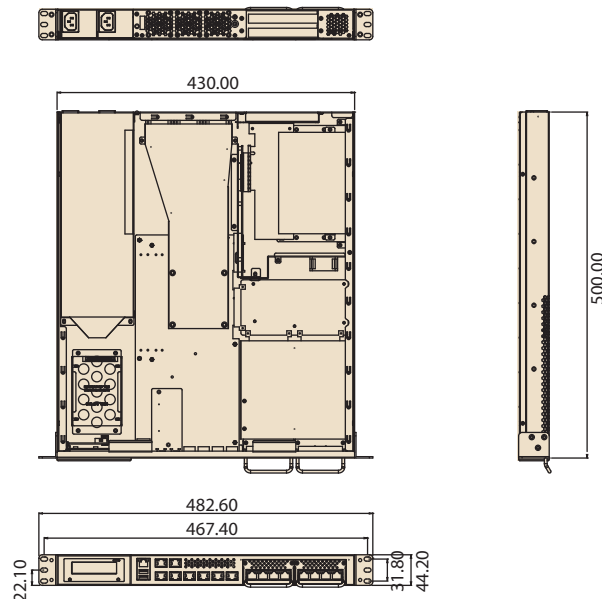
The FWA-3210 1U appliance can be configured with a range of Intel® processors, Ethernet ports, PCIe I/O options and Advantech's Network Mezzanine Cards (NMCs) to create cost-effective platforms for specific enterprise networking applications. The appliance is powered by processors utilizing the LGA-1155 socket, including the Intel® Xeon® E3-1225/1275, 2<sup>nd</sup> generation Intel® Core™ i7-2600/ i5-2400 /i3-2120, the Pentium®-G850 and the Celeron®-G540 Processor. Memory configurations can include 4 x DDR3 1333/1066 DIMMs for up to 32GB in total. In the base configuration, the system comes with a single internal 2.5" SATA HDD bay, 6 Intel® 82574L GbE controllers, and one PCIe x8 expansion slot. System features include an LCM, RJ45 console, and 2 USB ports. IPMI LOM management support is optional. Additional I/O and processor offload capacity is provided by support for two network mezzanine card modules. The FWA-3210 is 1U Network Appliance targeted at CPU-intensive applications such as high-end Unified Threat Management (UTM) and applications with large I/O bandwidth requirements such as quality and service control or content filtering and management.

## Specifications


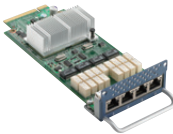


		FWA-3210A	FWA-3210B
Processor System	CPU	Intel Xeon E3-1225/ E3-1275/ 2 <sup>nd</sup> gen. Core i3-2120/ Pentium-G850 / Celeron-G540 processors	Intel 2 <sup>nd</sup> gen Core i7-2600/i5-2400/ i3-2120 / Pentium-G850 / Celeron-G540 processors
	L2 Cache	8 MB / 6 MB / 3 MB / 2 MB	8 MB / 6 MB / 3 MB / 2 MB
Chipset	PCH	Intel C206 PCH	Intel H61 PCH
Memory	Technology	Dual channel DDR3 1333/1066 MHz ECC	Dual channel DDR3 1333/1066 MHz Non-ECC
	Capacity	Un-buffered memory Up to 32 GB	Un-buffered memory Up to 16 GB
PCI-Express	Expansion Slots	2 x PCI-Express Gen.2 x4 FH/HL Expansion Slots (FWA-3210A Optional) Or 1 x PCI-Express Gen.2 x8 FH/HL Expansion Slots (FWA-3210A Default Configuration)	
	LAN on Board	6 x Intel 82574L 10/100/1000 Mbps Ethernet with optional 3 segment bypass	
Ethernet	NMC	2 x NMC modules with PCIe x8 gen.2 interfaces Maximum 8 GbE ports or 2 x 10GE ports. Please refer to the "Related Products" section for a list of currently available NMCs	
Mass Storage	SATA	1 x 3.5" or 1 x 2.5" SATA HDD / SSD	
	Compact Flash	1 x CFast Socket (CompactFlash with native SATA interface)	
Management Ports & Peripherals	USB	2 x USB2.0 Type A connectors	
	Serial	1 x RS-232 Console port (RJ-45 connector)	
	LCD Module	16 x 2 character display, 5 buttons	
	IPMI	LOM Module optional	
	TPM	optional	
Power Supply	Watts	275 W redundant AC PSUs (DC on request)	250 W non redundant AC
	Input	100 V ~ 240 V @ 50 ~ 60 Hz, full range	
Environment	Temperature	Operating 0 ~ 40° C (32 ~ 104° F)	Non-Operating -20 ~ 75° C (-4 ~ 167° F)
	Humidity	5 ~ 85% @ 40° C (104° F)	5 ~ 95%
Physical Characteristics	Dimensions (W x H x D)	430 x 44 x 500 mm (16.6" x 1.7" x 19.3")	
	Weight	10 kg (22 lb)	

## Dimensions

Unit: mm



## Related Products

P/N	NAEM-0102	NAEM-0103	NMC-0801	NAEM-1001
				
Description	4-port GbE card	4-port GbE card	8-port GbE card	2-port 10 GbE card
LAN Controller	2x Intel 82576	2x Intel 82576	2x Intel 82580	1x Intel 82599
Ports	4x SFP	4x RJ45	8x RJ45	2x SFP+
Other		with LAN bypass		

## Ordering Information

Part Number	Description
FWA-3210A-00A1E	1U, C206, 6+2GbE, PSU (1+1), Support 2NMCs
FWA-3210B-00A1E	1U, H61, 6GbE, Single PSU, Support 2NMCs
NAEM-0102E	NAEM-0102 4-port GE module by SFP
NAEM-0103E	NAEM-0103 4-port GE module by RJ45 w/LAN bypass
NAEM-1001E	NAEM-1001 2-port 10GE module by SFP+
NMC-0801E	NMC-0801 8-port GE module by RJ45 w/o LAN bypass

## Packing List

Part Number	Description
1700012272	SATA Data Cable 25 cm
1700001237	SATA Data Cable 30 cm
1700000298	VGA Port cable (for System installation use)
1700018950	RJ-45 Console Cable 220 cm

## Accessories

Part Number	Description
1702002600	3P 180cm, USA
1702002605	3P 180cm, Europe
1702031801	3P 180cm, UK
1700000237	3P 180cm, JP
1700009652	3P 180cm, China

