FWA-3210A/B

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

NEW

Features

- Supports Intel® Xeon® E3-1225/E3-1275 (FWA-3210A only) and 2nd 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 to16 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)

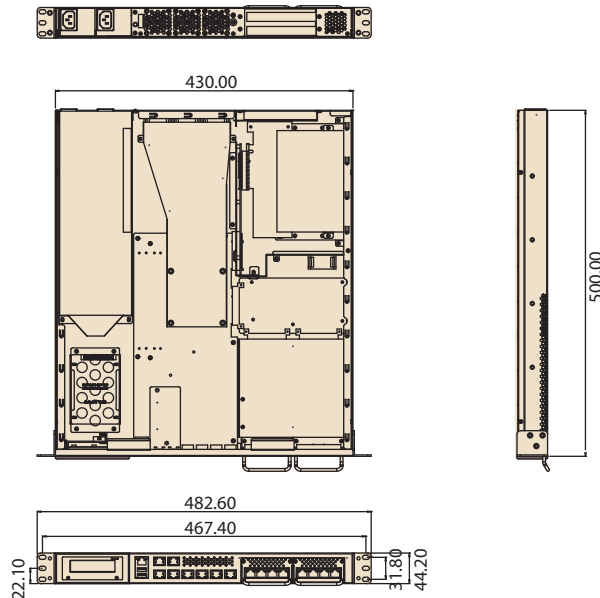RoHS COMPLIANT 2002/95/EC   CCC   c(UL)us   CE   FCC

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, 2nd 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/ 2nd gen. Core i3-2120/ Pentium-G850 / Celeron-G540 processors	Intel 2nd 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 Un-buffered memory	Dual channel DDR3 1333/1066 MHz Non-ECC Un-buffered memory
	Capacity	Up to 32 GB	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)	
Ethernet	LAN on Board	6 x Intel 82574L 10/100/1000 Mbps Ethernet with optional 3 segment bypass	
	NMC	2 x NMC modules with PCIex8 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		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 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)	

ADVANTECH

Dimensions

Unit: mm

430.00

500.00

482.60
467.40
22.10
31.80
44.20

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

MGMT
Console
LCD Module
USB
Six 1000M LAN ports

System FAN   Redundant PSU

Accessories

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