

# FWA-3230

## 1U Rackmount Network Appliance with 4th gen. Intel® Xeon® Processor E3 series and Intel® Core™ i7/i5/i3 Processors, 6+2 GbE ports



### Features

- Supports Intel® Xeon® Processor E3-1225/E3-1275/E3-1268 V3 and 4th generation Core™ i7-4770S/i5-4570TE/4570S and Pentium® G3420/G3320TE, Celeron® G1820/G1820TE
- Supports four DDR3L Un-buffered 1333/1600 DIMMs, up to 32GB (FWA-3230A); two DDR3L Un-buffered 1333/1600 DIMMs, up to 16GB (FWA-3230B)
- Six 10/100/1000 Mbps LAN on Board with up to 3 bypass segments
- Two 2.5" SATA HDDs / SSDs or 1x 3.5" HDD
- Up to two Advantech Network Mezzanine Cards (NMCs)
- IPMI 2.0 compliant Remote Management (optional)

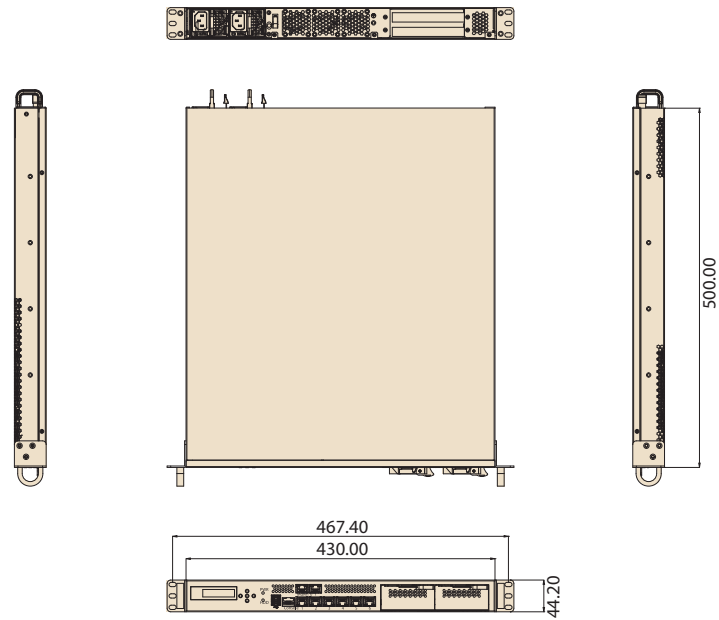


### Specifications

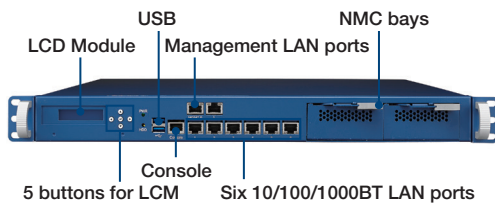
		FWA-3230A	FWA-3230B
Processor System	Processor	Intel® Xeon® Processor E3-1225/E3-1275/E3-1268 V3 / 4th gen. Intel® vPro™ Processors (LGA1150)	Intel® 4th gen. Core i7-4770S/i5-4570S/i5-4570TE Pentium G3420/G3320TE, Celeron® G1820/G1820TE vPro™ processors (LGA1150)
	Core Number	4	4 / 2
	Frequency	2.0GHz-3.5GHz	
	L2 Cache	8MB	8MB / 4MB
	BIOS	AMI EFI 64Mbit	
Virtualization		VT-x, VT-d	
Memory	Technology	DDR3L, 1333/1600MHz	
	Max. Capacity	32GB	16GB
	Socket	4 x 240-pin UDIMM	2 x 240-pin UDIMM
	ECC Support	Yes	None
Networking	Controller	6 x Intel® I210-AT 2 x Intel® I210-AT (LOM)	6 x Intel® I210-AT
	1GbE	6 x 1GbE RJ45 with 3 segment advanced bypass support via Intel® i210 2 x 1GbE RJ45 for management via Intel® i210-AT	6 x 1GbE RJ45 with 3 segment advanced bypass support via Intel® i210
	LAN bypass	3 segment	
	Expansion	PCIex4 NMC	2 x FH/HL 2 x NMCs
Storage	2.5" or 3.5" HDD/SSD	2 x 2.5" HDD/SSD, 1 x 3.5" HDD/SSD (option)	
	mSATA	1 x mSATA Slot (full Size, USB Interface Default, PCIe Interface Option)	
I/O	Console port	1	
	USB2.0/3.0	1 x USB2.0 on board 2 x USB3.0 ports in the front	
	LED Indicator	Power, HDD	
	GPIO	1x 8-bit GPIO pin header	
	Others	1 x Power button	
TPM	Trust Platform Module	TPM 1.2	
LCD Module		16 x 2 graphic display, 5 buttons	
Power Supply	Power Type	Redundant AC PSU (redundant DC PSUs on request)	Single AC PSU
	Watts	300W	250W
	Input	AC 100 ~ 240 V @ 50 ~ 60 Hz, full range	AC 100 ~ 240 V @ 50 ~ 60 Hz, full range
	Connector	AC 3pin plug / DC pin header	AC 3pin plug
Environment	Operating Temperature (air flow 0.7 m/sec)	0 ~ 40 °C (32 ~ 104 °F)	
	Non-operating Temperature	-20 ~ 80° C (-4 ~ 167° F) and 40° C @ 95% RH Non-Condensing humidity	
	Vibration Resistance	with SATA HDD: 0.5 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis	
Cooling	Shock Protection	with SATA HDD: 10G, IEC-60068-2-27, half sine, 11ms duration	
		4 x system FAN with smart FAN	
Mechanical	Construction	Iron	
	Mounting	1U Rackmount	
	Dimensions (W x H x D)	430 x 44.2 x 500 mm (16.6" x 1.7" x 19.7")	
	Weight	15 Kg (33lb)	13 Kg (29lb)
OS Support		Linux (CentOS, Red Hat, Ubuntu)	
Advantech S/W Packages		- QuickStart Linux Image (CentOS based reference BSP) including <ul style="list-style-type: none"> <li>afwu</li> <li>ipmitool</li> <li>lmsensors</li> <li>flashrom</li> <li>LCD4Linux</li> <li>Advanced LBP Utility</li> </ul>	
		Individual packages: <ul style="list-style-type: none"> <li>Advanced LBP Library</li> </ul>	
IPMI		Optional IPMI v2.0 compliant LOM module (AMI MegaRAC SP-X)	None
Certification	EMC	CE/FCC/CB/UL/CCC	

## Dimensions

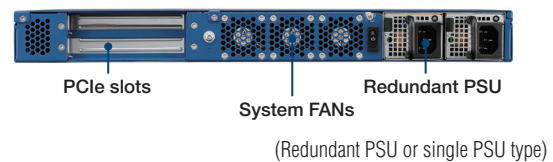
Unit: mm



### Front Panel External I/O Mechanical Layout/Drawing



### Rear Panel External I/O Mechanical Layout/Drawing



## Ordering Information

Part Number	CPU	RAM	GbE	NMC	LOM	TPM	PCIE riser	PSU
FWA-3230A-00E	Intel® E3-1225/E3-1275/E3-1268 V3	4x DDR3L U-DIMM	6 GbE + 2 GbE(LOM)	2 NMC slots	IPMI2.0	TPM1.2	2PCIEx4	Red. AC
FWA-3230B-00E	Intel® Core i7-4770S/i5-4570S/ i5-4570TE Pentium G3420/ G3320TE, Celeron® G1820/G1820TE	2x DDR3L U-DIMM	6 GbE	2 NMC slots	N/A	TPM1.2	N/A	Single AC

## Packing List

Part Number	Description
1700014518	SATA Data Cable 25 cm
1700019367	VGA cable 45cm
1700020691-01	RJ-45 Console Cable 220 cm
1960053153N001	EAR-R 295U
1960053154N001	EAR-L 295U
1961100D00	Ears Handel for NAS 1100 AL (A1)

## Optional Accessories

Part Number	Description
1702002600	Power cord 3P 180 cm, USA
1702002605	Power cord 3P 180 cm, Europe
1702031801	Power cord 3P 180 cm, UK
1700000237	Power cord 3P 180 cm, JP
1700009652	Power cord 3P 180 cm, China
9680009153	1U 26" slide rail (pair)