

# FWA-4231

## 2U Rackmount Network Appliance with 4th gen. Intel® Xeon® Processor E3 series and Intel® Core™ i7/i5/i3 Processors, 4 NMC slots

Preliminary



### Features

- Supports Intel® Xeon® Processor E3-1275/E3-1225/E3-1268LV3 and 4th Gen Intel® Core™ Processors i7-4790S, i7-4770S, i7-4770TE, i5-4590T, i5-4590S, i5-4570TE, i3-4360, i3-4330, i3-4330TE, Intel® Pentium® Processor G3320TE and Intel® Celeron® Processor G1820TE.
- Supports 2 channel four DDR3 ECC Un-buffered 1333/1600 DIMMs, up to 32GB
- Four network Mezzanine Cards(NMC) Slots for a wide range of GbE and 10GbE NMCs with or without bypass
- One PCIe x8 full-height/half-length add-on card
- Four 2.5" SATA HDD and SSD and one HS/FS mSATA socket
- C-Fast or CF Module support (optional)

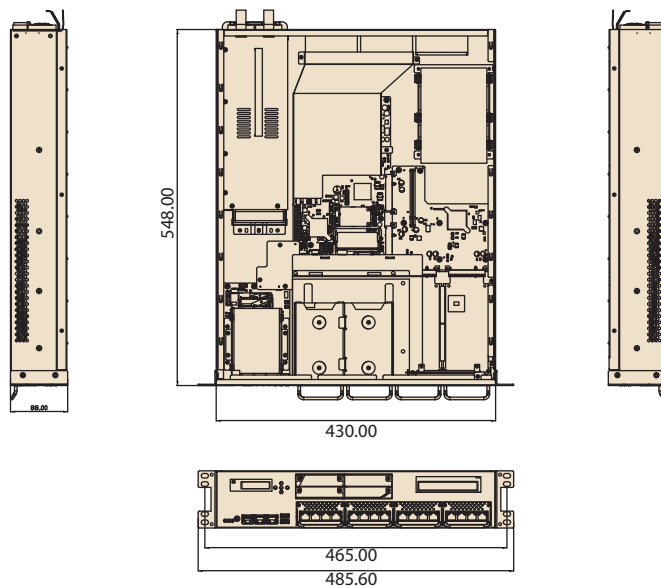


### Specifications

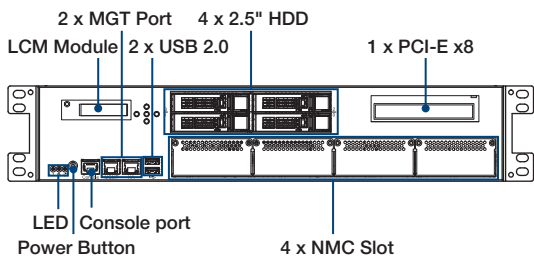
Processor System	Processor	Socket LGA 1155 (E3-1200v3;4th Core-I;Pentium;Celeron®)
	Core Number	2C/4C
	Frequency	2.0GHz~3.5GHz
	L2 Cache	2MB/4MB/6MB/8MB
	Chipset	C226
	BIOS	AMI Efi 64Mbit
Memory	Technology	Dual Channel DDR3 with 1600 MHz
	Max. Capacity	4 x DIMM Slots Expandable to 32GB
	Socket	4 x 240-pin UDIMM
	ECC Support	Yes (E3 CPU only)
Networking	Controller	2 x Intel® i210-AT
	1GbE	2 x 10/100/1000 Mbps RJ45
	Legacy	Support by NMC
	PCIe x 8	1 x FH/HL gen3 x8 slot (default)
	NMC	4 x NMC
Storage	2.5" HDD/SSD	2 x 2.5" SATA HDD/SSD bay
	3.5" HDD	1 x 3.5" SATA HDD bay
	mSATA SSD	1x Full/Half-Size mSATA SSD
Display		VGA
I/O	Console port	1 x RJ45
	USB3.0	2 in front
	USB3.0	2 with pin header
	GPIO	8-bit GPIO
	LED Indicator	1 x Power led, 1 x HDD led, 1 x location
	Reset button	Pin Header
	Others	RS232, 2 x USB option
LCD Module		16 x 2 graphic display,5 buttons
Power	Power Type	AC, redundant and non-redundant DC, redundant DC (optional)
	Watts	350W/ 250W
	Input	100 V ~ 240 V
Environment	Operating Temperature (air flow 0.7 m/sec)	0 ~ 40 °C (32 ~ 104 °F)
	Non-operating Temperature	-40 ~ 60° C (-40~140F)
	Humidity	95% @ 40° C (non-condensing)
	Vibration Resistance	with SATA HDD: 0.5 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis
	Shock Protection	with SATA HDD: 10G, 11ms,IEC-60068-2-27, X, Y, X-X, -Y-Z axis, 3times per axis
Cooling		4 x system samrt FAN
Mechanical	Construction	Iron
	Mounting	2U Rackmount
	Dimensions (W x H x D)	430 x 88 x 550 mm (16.9" x 3.4" x 21.6")
	Weight	20 kg
OS Support		Linux (CentOS, Red Hat), Windows* 7
Certification		CCC

## Dimensions

Unit: mm



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



## Ordering Information

Part Number	Power	PCH	DDR3 slot	1Gb LAN Port	Console	USB2.0	2.5HDD	3.5HDD	PCIe Expansion	NMC
FWA-4231-00A1E	AC 350W redundant	C226	4	2	1	2	4	1	1 x PCIe x8	4
FWA-4231-01A1E	AC 300W single	C226	4	2	1	2	4	1	1 x PCIe x8	4

## Packing List

Part Number	Description
1700012272	SATA Data Cable 25 cm
1700017838	SATA Data Cable 30 cm
1700018950	RJ-45 Console Cable 220 cm

## Optional Accessories

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