

FWA-3270

1U Rackmount Network Appliance with Intel® Xeon® Processor E3 series and 6th gen. Intel® Core™ i7/ i5/ i3 Processor, up to 2 NMC slots



Features

- Intel® Xeon® E3-1275 /E3-1225/E3-1268L V5 (FWA-3270A only) and 6th generation Intel® Core™ i7-6700/i7-6700TE/i5-6500/i5-6500TE/i3-6100/i3-6100TE, Intel® Pentium® Processor G4400/G4400TE, Intel® Celeron® G3900/G3900TE
- Support max 4 x 2400MHz DDR4 ECC/UDIMMs, 32GB per channel, up to 64GB
- 2 GbE management ports
- 8x GbE LAN by Intel® I210-AT with 3 segment LAN bypass
- Max 2 Network Mezzanine Card bays for PCIe gen.3 based port expansion with 1 x PCIe x8 full-height / half-length add-on card
- 2 x 2.5" SATA HDDs/SSDs and 1x mSATA Socket or 1 x M.2 SSD sockets
- IPMI2.0 compliant Remote Management (optional)



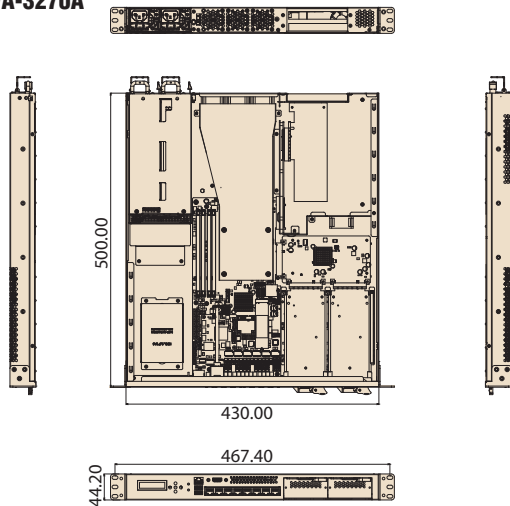
Specifications

		FWA-3270A	FWA-3270B	
Processor System	Processor	Socket LGA 1151 (E3-1200v5; 6th Core-I; Pentium; Celeron®)	Socket LGA 1151 (6th Core-I, Pentium, Celeron®)	
	Core Number	2C/4C		
	Frequency	2.4GHz-3.6GHz	2.4GHz-3.4GHz	
	L2 Cache	2MB/4MB/8MB		
	Chipset	C236	H110	
	BIOS	AMI Efi 64Mbit		
Memory	Technology	Dual Channel DDR4 with 2133/2400 MHz	Dual Channel DDR4 with 2133/2400 MHz	
	Max. Capacity	4 x DIMM Slots Expandable to 64GB	2 x DIMM Slots Expandable to 32GB	
	Socket	4 x 288-pin UDIMM	2 x 288-pin UDIMM	
	ECC Support	Yes (E3 CPU only)	NA	
Networking	Controller	8 x Intel® i210-AT	6 x Intel® i210-AT	
	1GbE	8 x 10/100/1000 Mbps RJ45	6 x 10/100/1000 Mbps RJ45	
	LAN bypass	Advanced	3 x pair of LAN Bypass (default)	2 x pair of LAN Bypass (default)
		Legacy	2 x pair of LAN Bypass (option by jumper)	2 x pair of LAN Bypass (option by jumper)
	PCIe x 8	1 x FH/HL gen3 x8 slot (default)	NA	
	PCIe x 4	2 x FH/HL gen3 x4 slot (option)	NA	
NMC	2 x NMC	1 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		
	m.2 SSD	1 x m.2 SSD (2242/2260/2280)		
	mSATA SSD	1 x Half-Size mSATA SSD		
Display		HDMI	DVI	
I/O	Console port	1 x RJ45		
	USB3.0	4 (2 in front+2 with pin header)		
	GPIO	8-bit GPIO		
	LED Indicator	1 x Power led, 1 x HDD led		
	Reset button	Pin Header		
	Others	RS232, 2 x USB option		
TPM		TPM 2.0	NA	
LCD Module		16x2 graphic display,5 buttons	NA	
Power	Power Type	AC, redundant and non-redundant DC, redundant DC (optional)	AC non-redundant	
	Watts	300W	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		4x system samrt FAN	3x system samrt FAN	
Mechanical	Construction	Iron		
	Mounting	1U Rackmount		
	Dimensions (W x H x D)	430 x 44 x 500 mm (16.9" x 1.7" x 19.6")	430 x 44 x 375 mm (16.9" x 1.7" x 14.7")	
	Weight	10 kg	6kg	
OS Support		Linux (CentOS, Red Hat, Ubuntu, etc.), Windows*10		
Advantech S/W Packages		QSI (Linux based Advantech Bring-Up Image, LANbypass, FRU)		
IPMI		Opiton	NA	
Certification		CE/FCC/CB/UL/CCC		

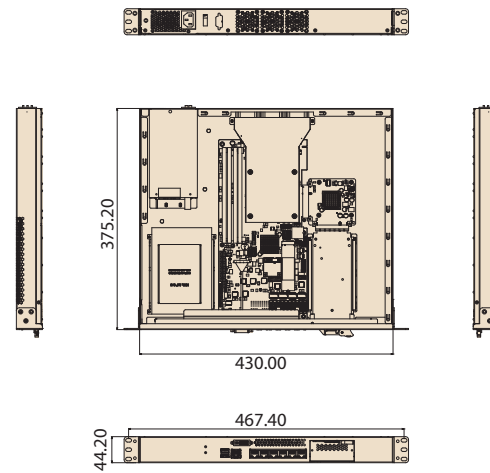
Dimensions

Unit: mm

FWA-3270A

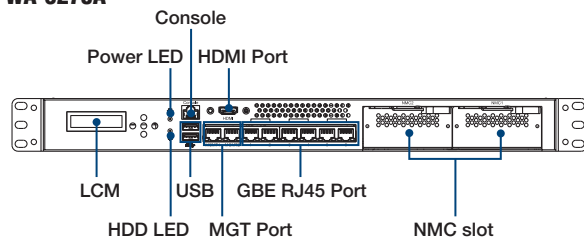


FWA-3270B



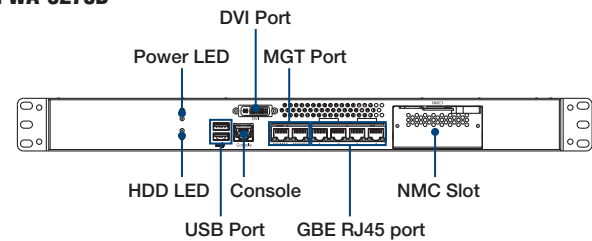
Front Panel External I/O Mechanical Layout/Drawing

FWA-3270A



Front Panel External I/O Mechanical Layout/Drawing

FWA-3270B



Ordering Information

Part Number	PCH	DDR4 slot	1Gb LAN Port	Console	USB3.0	2.5HDD	3.5HDD	PCIe Expansion	NMC	Power
FWA-3270A-00A1E	C236	4	8	1	2	2	1	1 x PCIe x8 (conflict with 3.5" HDD)	2	AC 300W redundant
FWA-3270B-00A1E	H110	2	6	1	2	2	1	NA	1	AC 250W single

Packing List

Part Number	Description
1700024783-01	SATA Data Cable 30cm
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
1700024019-01	HDMI Cable 20 cm (FWA-3270A)
1700024962-01	DVI Cable 20 cm (FWA-3270B)
9680009153	1U 26" slide rail (pair)