

FWA-3260

1U Rackmount Network Appliance with Intel® Xeon® Processor D Family for vE-CPE and Network Applications, 2 NMC slots



Features

- Intel® Xeon® Processor D System On Chip up to 16 cores and 1.5MB last level cache per core
- 4 x DDR4 ECC UDIMMs/RDIMMs and RDIMMs, up to 2400MHz and up to 128GB
- 4 server class GbE ports implemented by an Intel® i350 Ethernet Controller with advanced LAN bypass support
- 2 GbE management ports
- 2 x 10GE SFP+ ports
- 2 Network Mezzanine Card bays for PCIe gen.3 based port expansion with 1GbE and 10GbE and 40GbE ports
- 1 x PCIe x8 full-height / half-length add-on cards
- Two 2.5" SATA HDDs/SSDs and two M.2 SSD sockets
- IPMI 2.0 compliant Remote Management (optional)

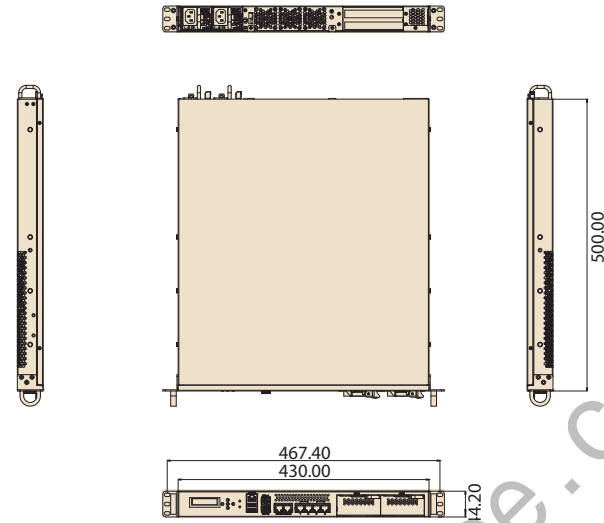


Specifications

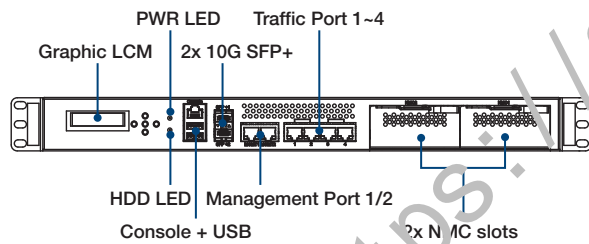
		FWA-3260A	FWA-3260B
Processor System	Processor	Intel® Xeon® Processor D-1548(8C,2.0G) Options: D-1508(2C,2.2G)/D-1528(6C,1.9G)/D-1538(12, 2.1G)/D-1587(16C,1.7G)	Intel® Xeon® Processor D-1527(4C,2.2G)
	Core Number	8	4
	Frequency	2.0GHz	2.2GHz
	L2 Cache	12MB	6MB
	BIOS	AMI EFI 64Mbit	
Virtualization		VT-x, VT-d	
Memory	Technology	DDR4, 2133/2400MHz	
	Max. Capacity	128GB	
	Socket	4 x 288-pin RDIMM/UDIMM	
	ECC Support	Yes	
Networking	Controller	4 x Intel® i350-AM4 2 x Intel® i210-AT	
	1GbE	4 x 1GbE RJ45 with 2 segment advanced bypass support via Intel® i350-AM4 2 x 1GbE RJ45 for management via Intel® i210-AT	
	10GbE	2 x 10G SFP+ via BDE SOC+CS4277 (10G Dual PHY)	
	LAN bypass	2 segment	
Expansion	PCIex8	1 x FH/HL	Option
	NMC	2 x NMCs	
Storage	2.5" HDD/SSD	2 x 2.5" HDD/SSD, Option: 1 x 3.5" HDD	
	M.2	2 x (2280/2242)	
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	A SKU: TPM(2.0), Option: 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	
	Shock Protection	with SATA HDD: 10G, IEC-60068-2-27, half sine, 11ms duration	
Cooling		4x 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")	
OS support	Weight	15 Kg (33lb)	13 Kg (29lb)
		Linux (CentOS, Red Hat, Ubuntu)	
Advantech S/W Packages		- QuickStart Linux Image (CentOS based reference BSP) including <ul style="list-style-type: none"> ▪ afwu ▪ lmsensors ▪ LCD4Linux ▪ ipmitool ▪ flashrom ▪ Advanced LBP Utility Individual packages: - Advanced LBP Library	
IPMI		LOM Module with Aspeed AST1250 chip Supports IPMI 2.0, redundant BIOS and remote, failsafe BIOS update (Advantech IPMI Core)	Option
Certification	EMC	CE/FCC/CB/UL/CCC	

Dimensions

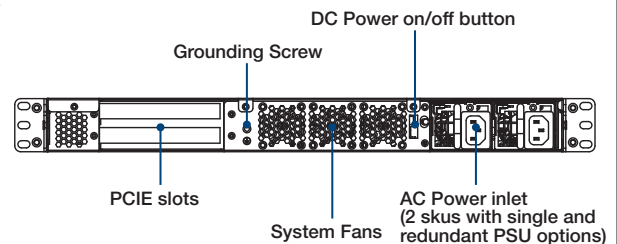
Unit: mm



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-3260A-01E	Intel® Xeon® D-1548 8C, 2.0 GHz	4x DDR4 R/U-DIMM	6 GbE + 2 10G SFP+	2 NMC slots	IPMI2.0	TPM2.0	1 PCIe x8	Red. AC
FWA-3260B-01E	Intel® Xeon® D-1527 4C, 2.2 GHz	4x DDR4 R/U-DIMM	6 GbE + 2 10G SFP+	2 NMC slots	N/A	N/A	N/A	Single AC

Note: SKUs for other CPU cores will be launched by project base only

Packing List

Part Number	Description
1700012272	SATA Data Cable 25 cm
1700018950	RJ-45 Console Cable 220 cm
1960079966N001	EAR-R 295U FWA-3260
1960079968N001	EAR-L 295U FWA-3260
1961100D00	Ears Handle 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
9680017063	Customized 1/2 Extension Ball Bearing slide_3561