

FWA-3033

1U Rackmount Network Appliance with 10 GbE LAN ports and 2NMC Slots based on Intel Xeon® E family and 8th/9th gen. Intel® Core™ i9/i7/i5/i3 processors



Features

- Intel® Xeon® E family, 8th/9th gen. Intel® Core™ i9/i7/i5/i3 processors, Intel® Pentium® and Intel® Celeron® Processor
- 4 x DDR4 2400/2666MHz, UDIMM ECC (Xeon E only) Up to 128GB
- 8 x 10/100/1000 Mbps Copper ports on board with 2 bypass segments
- 4 x 10/100/1000 Mbps SFP ports onboard(SKU option)
- 2 x NMC slots (Network Mezzanine Card) for a wide range of GbE, 10GbE and 40GbE, 100GbE NMCs with or without advanced LAN bypass
- 1 x M.2 slot for storage, 2 x HDD bay (compatible with 2.5" or 3.5" storage), 1 CF slot (by project option)
- 2 x PCIe x4 Slot on rear, support FH/HL add-on cards
- IPMI 2.0 compliant Remote Management (Optional)

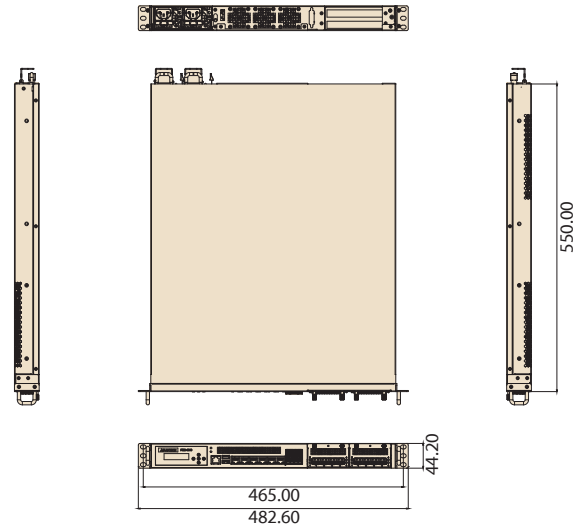


Specifications

System PN	FWA-3033-00A1R	FWA-3033L-00A1S	
Form factor	1U Rackmount		
Processor System	Processor	Intel® Xeon® E-2278GE/E-2226GE/E-2176G/E-2124G, 8th/9th gen. Intel® Core™ i9/i7/i5/i3 processors, Intel® Pentium® G5400 and Intel® Celeron® G4900 Processors	
	Core Number	2C/4C/6C/8C	
	Base Frequency	2.4GHz-3.8GHz	
	L2 Cache	10-55MB	
	Chipset	Intel C246	
	BIOS	AMI EFI 256Mbit	
	Memory	Technology	DDR4 2400/2666MHz
Max. Capacity		128GB (4 x 32GB UDIMM)	
Socket		4 x 288pin UDIMM	
ECC Support		Yes (only Xeon E serial CPU Support ECC)	
Networking	Controller	6 x Intel i210-AT 4 x Intel i210-IS	8 x Intel i210-AT
	1GbE	6 x 10/100/1000 Mbps RJ45 4 x 10/100/1000 Mbps SFP	
	LAN Bypass	2 pairs of Advanced LAN Bypass	
	Expansion	2 x NMC Slots	
Storage	PCIe x 8 slot	2 x FH/HL PCIe x 8 size slot (one slot bandwidth is PCIe x4 Gen3, another is PCIe x2 Gen3) 1 x Mini-PCIe slot (bandwidth is PCIe x1 Gen3)	
	M.2 Slot	1 x M.2 2260/2280 Slot, M-Key	
	CF slot	1 x CF slot (by project option)	
	HDD bay	2 x HDD bay (compatible with 2.5" or 3.5" storage) Note: The rear one is not compatible with the PCIe riser card Support up to 6x 2.5" SATA HDD/SSD (by project option) Support 2.5" SATA SSD Hot Swap Module (by project option)	
I/O	USB	2 x USB3.0 Type A on Front	
	Serial	1 x Console ports (RJ45 connector)	
	Power LED	1 (Green on indicates power on)	
	HDD LED	1 (Amber blink indicates HDD Read/Write)	
	Pin Header	GPIO, Reset, COM and VGA	
TPM	Module option		
LCD Module	16 x 2 graphic display, 5 buttons		
Power	Power Type	AC, Redundant AC, Single Power (option) DC -48V, Redundant (option)	AC, Single Power AC, Redundant (option) DC -48V, Redundant (option)
	Watts	Redundant 300W	
	Input	100-240 V _{AC} , auto range	
	Connector	AC 3pin plug / DC pin header	
Environment	Operating Temperature	0 - 40 °C (32 - 104 °F)	
	Non-operating Temperature	-40 - 60 °C (-40 - 140 °F) and 40 °C @ 5 - 95% RH Non-Condensing	
Mechanical	Construction	Iron	
	Mounting	1U Rackmount	
	Dimensions (W x H x D)	438 x 44 x 550 mm, 17.24" x 1.75" x 21.65"	
	Weight	10.88kg (Net weight)	9.94kg (Net weight)
OS Support	Linux (CentOS, Red Hat, Ubuntu, etc.)		
Advantech S/W Packages	QuickStart Linux Image (CentOS based reference BSP) including		
	<ul style="list-style-type: none"> afu LCD4Linux Advanced LBP Utility Intel DPK Intel QAT (need add one QAT PCIe Card) Individual packages: <ul style="list-style-type: none"> Advanced LBP Library DUI (Offline Diagnostics) 		
IPMI (Optional)	Carrier Grade BMC, IPMI v2.0 compliant, with web interface, iKVM on request (SKU option)		
Certification/Safety	CCC/CE/FCC/UL/CB (60950 & 62368)		

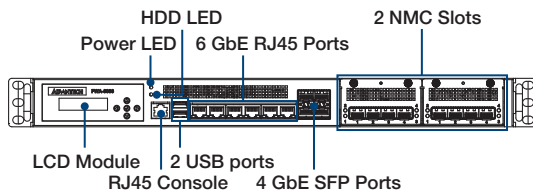
Dimensions

Unit: mm

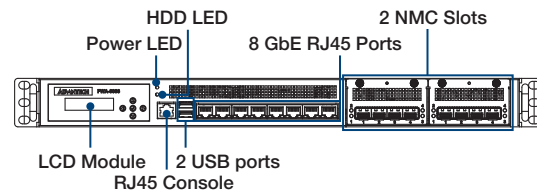


Front Panel External I/O Mechanical Layout/Drawing

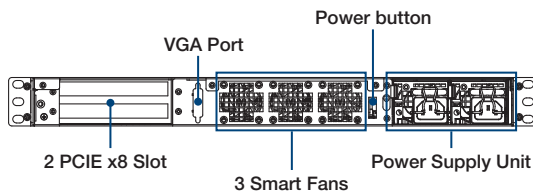
FWA-3033



FWA-3033L



Rear Panel External I/O Mechanical Layout/Drawing



Packing List

Part Number	Description
1700020691-01	Console cable D-SUB 9P(F)/RJ45 220cm

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
9680016905	26" Tool-Less Server slide rail
NAMB-3033LOM-00A1	Network Appliance, LOM board FWA-3033

Ordering Information

Part Number	Processor	DIMM Qty	PCH	Console port	USB port	LAN Port Copper	SFP	NMC slot	m.2 slot	HDD bay	PSU
FWA-3033-00A1R	Intel® Xeon® E-2278GE/E-2226GE/E-2176G/E-2124G, 8th/9th gen. Intel® Core™ i9/i7/i5/i3 processors, Intel® Pentium® G5400 and Intel® Celeron® G4900 Processors	4	Intel C246	1	2	6	4	2	1	2 x 2.5"/3.5" HDD tray	Redundant AC 300W
FWA-3033L-00A1S	Intel® Xeon® E-2278GE/E-2226GE/E-2176G/E-2124G, 8th/9th gen. Intel® Core™ i9/i7/i5/i3 processors, Intel® Pentium® G5400 and Intel® Celeron® G4900 Processors	4	Intel C246	1	2	8	NA	2	1	2 x 2.5"/3.5" HDD tray	Single AC 250W