

# 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™ i7/i5/i3 processors**

**NEW**



## Features

- Intel® Xeon® E family, 8th/9th gen. Intel® Core™ 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 (Project option)
- 2 x PCIe x4 Slot on rear, support FH/HL add-on cards
- IPMI 2.0 compliant Remote Management (Optional)

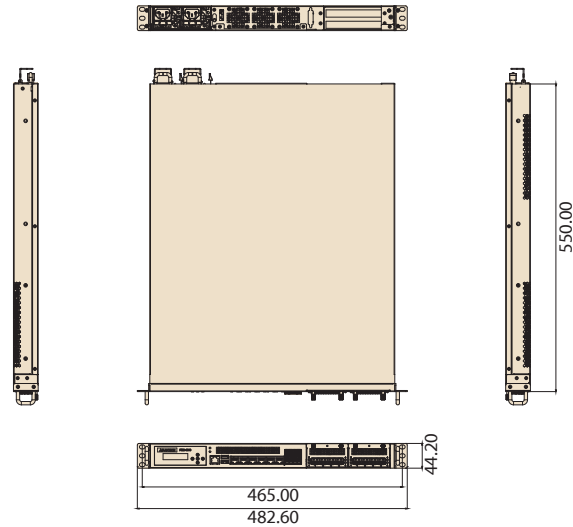


## Specifications

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™ 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	8 x 10/100/1000 Mbps RJ45	
	LAN Bypass	2 pairs of Advanced LAN Bypass		
Expansion	NMC Slot	2 x NMC Slots		
	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)		
Storage	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 1 x 2-layers 2.5" HDD bay (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	TPM	Module option		
LCD Module	LCD Module	16 x 2 graphic display, 5 buttons		
Power	Power Type	AC, Redundant, DC -48V, Redundant option	AC Single Power	
	Watts	Redundant 300W		
	Input	100-240 V <sub>AC</sub> , 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	9.5kg (Net weight)		8.4kg (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"> <li>afu</li> <li>LCD4Linux</li> <li>Advanced LBP Utility</li> <li>Intel DPDK</li> <li>Intel QAT (need add one QAT PCIe Card)</li> </ul>			
IPMI (Optional)	Individual packages:			
	<ul style="list-style-type: none"> <li>Advanced LBP Library</li> <li>DUI (Offline Diagnostics)</li> </ul>			
Certification/Safety	Carrier Grade BMC, IPMI v2.0 compliant, with web interface, iKVM on request (SKU option) CCC/CE/FCC/UL/CB			

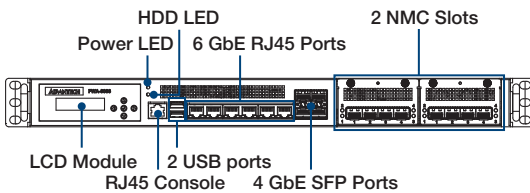
## Dimensions

Unit: mm

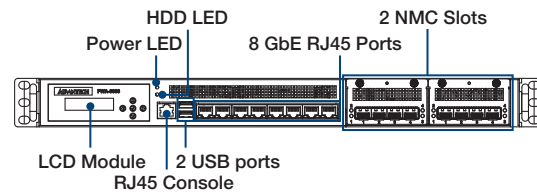


## Front Panel External I/O Mechanical Layout/Drawing

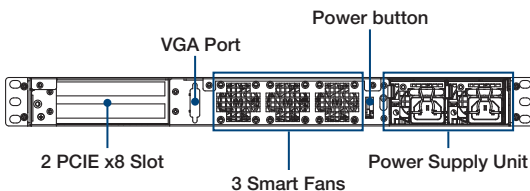
### FWA-3033



### 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		NMC slot	m.2 slot	HDD bay	PSU
						Copper	SFP				
FWA-3033-00A1R	Intel® Xeon® E-2278GE/E-2226GE/E-2176G/E-2124G, 8th/9th gen. Intel® Core™ 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™ 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