

# FWA-3033

**1U Rackmount Network Appliance with 10 GbE LAN ports and 2NMC Slots based on Intel Coffee Lake/Coffee Lake Refresh-S CPU 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 options)
- 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 2.5" HDD Bay, 1 x 3.5" HDD Bay option, 1 CF slot SKU options
- 2 x PCIe x4 Slot on rear, support FH/HL add-on cards
- IPMI 2.0 compliant Remote Management

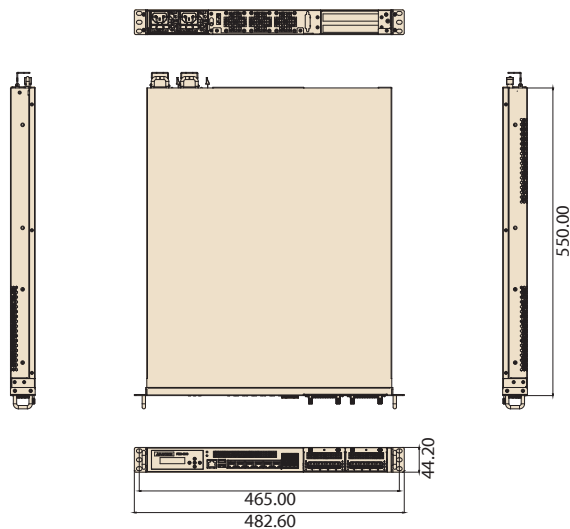


## Specifications

System PN		FWA-3033-00A1R	FWA-3033L-00A1S
Form factor		1U Rackmount	
Processor System	Processor	Intel® Xeon® E-2278GE/E-2226GE/E-2176G/E-2174G, 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 PCI x4 Gen3, another is PCIe2 Gen3)	
Storage	M.2 Slot	1 x M.2 2260/2280 Slot, M-Key	
	CF slot	1 x CF slot ( by project option)	
	3.5" HDD bay	2 x 3.5" HDD bay (One 3.5" HDD bay is Default, another is 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 HDMI	
TPM		Module option	
LCD Module		16 x 2 graphic dsplay, 5 buttons	
Power	Power Type	AC, Redundant, DC -48V, Redundant option	AC Single Power
	Watts	Redundant 300W	Single 250W
	Input	100-240 VAC, 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	15kg	
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>▪ afru</li> <li>▪ LCD4Linux</li> <li>▪ Advanced LBP Utility</li> <li>▪ Intel DPDK</li> <li>▪ Intel QAT (need add one QAT PCIe Card)</li> </ul>	
		Individual packages: <ul style="list-style-type: none"> <li>▪ Advanced LBP Library</li> <li>▪ DUI (Offline Diagnostics)</li> </ul>	
IPMI		Carrier Grade BMC, IPMI v2.0 compliant, with web interface, iKVM on request (SKU Option)	
Certification/Safety		CCC/CE/FCC/UL/CB	

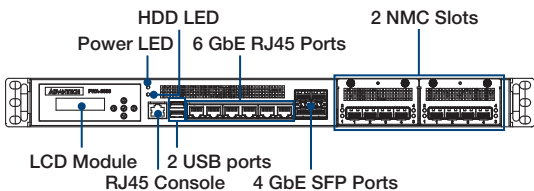
## Dimensions

Unit: mm

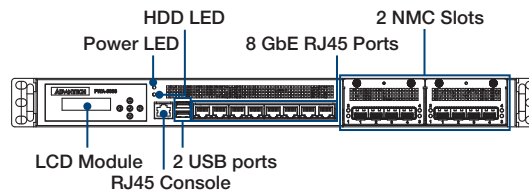


## Front Panel External I/O Mechanical Layout/Drawing

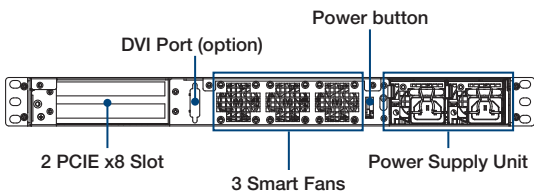
FWA-3033



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	Slide rail

## 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-2174G, 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 3.5" HDD Bay	Redundant AC 300W
FWA-3033L-00A1S	Intel® Xeon® E-2278GE/E-2226GE/E-2176G/E-2174G, 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 3.5" HDD tray	Single AC 250W