

FWA-3270R

1U Rackmount Platform for Network Appliance with Intel® Xeon E3 series and 6th/7th Gen Intel Core i7/i5/i3 Processor, 2NMC slots



Features

- Intel® Xeon E3 series and 6th/7th Gen Intel Core i7/i5/i3 Processor
- 4 x DDR4 2133/2400MHz, ECC/U-DIMM, Up to 64GB
- 8 x 10/100/1000 Mbps Copper ports on board with 3 bypass segments
- 2 GbE management ports
- 2 x NMC slots (Network Mezzanine Card)
- BMC module support
- 1 x PCIe x8 slot expansion, support FH/HL add on card
- 2 x 2.5" SATA HDD and 1 x mSATA socket and 1 x M.2 socket
- Single PSU and redundant PSU option

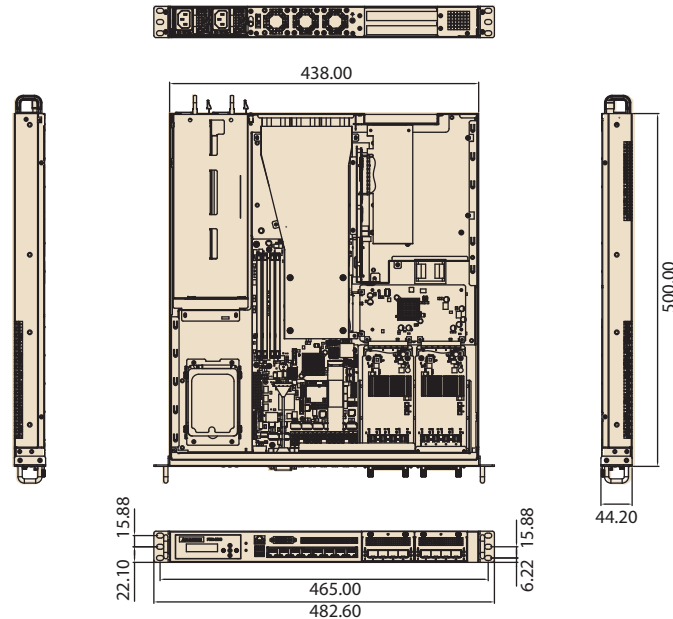


Specifications

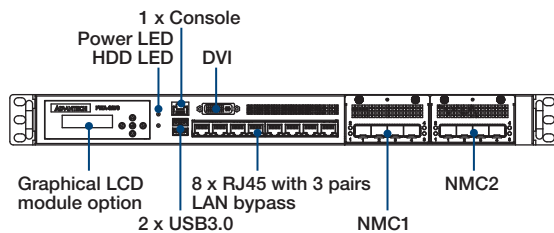
System PN	FWA-3270F-00A2R	FWA-3270L-00A2S
Form factor	1U Rackmount	1U Rackmount
Processor System	Processor	Socket LGA 1151 (E3 V5/V6, 6th/7th Core-I, Pentium, Celeron)
	Core Number	2C/4C
	Base Frequency	2.3GHz-3.9GHz
	L2 Cache	2MB-8MB
	BIOS	AMI EFI 128 Mbit
Memory	Technology	DDR4 2133/2400MHz
	Max. Capacity	64GB
	Socket	4 x 288pin U-DIMM
	ECC Support	Yes (E3 CPU only)
Networking	Controller	8 x Intel i210-AT
	1GbE	8 x 10/100/1000 Mbps RJ45
	LAN Bypass	3 pairs of Advanced LAN Bypass
Expansion	NMC Slot	2 x NMC Slots
	PCIe slot	1 x PCIe x8 slot (FH/HL) NA
Storage	2.5" HDD bay	2 x 2.5" HDD bay
	3.5" HDD bay	1 x 3.5" HDD bay
	mSATA	1 x mSATA (half-size)
	M.2	1 x M.2 (2242/2260/2280)
Display		DVI
I/O	USB	4 x USB3.0 (2 in front + 2 pin header)
	Serial	1 x RJ45
	GPIO	8-bit GPIO
	Power LED	1 (Green on indicates power on)
	HDD LED	1 (Amber blink indicates HDD Read/Write)
	Pin Header	GPIO, Reset, COM and USB
TPM	TPM	Module option
BMC		IPMI2.0 NA
LCD Module	LCD Module	16 x2 graphic display, 5 buttons NA
Power	Power Type	AC Redundant Power AC Single Power
	Watts	Redundant 300W Single 250W
	Input	100-240 Vac, auto range
Environment	Connector	AC 3pin plug
	Operating Temperature (air flow 0.7 m/sec)	0 ~ 40° C (32 ~ 104° F)
	Non-operating Temperature	-40 ~ 60° C (-40 ~ 140° F)
	Humidity	95% @40°C (non-condensing)
	Vibration Resistance	with SATA HDD: 0.5Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis
Cooling	Shock Protection	with SATA HDD: 10Grms, 11ms, IEC 60068-2-27, X,Y,X-X-X-Y-Z axis, 3times per axis
		4 system smart FAN 3 system smart FAN
Mechanical	Construction	Iron
	Mounting	1U Rackmount
	Dimensions (W x H x D)	438 x 44 x 500 mm, 17.24" x 1.75" x 19.69"
	Weight	15.1kg 13.8kg
OS Support		Linux (CentOS, Red Hat, Ubuntu, etc.), Windows 10
Advantech S/W Packages		▪ QuickStart Linux Image (CentOS based reference BSP) including
		▪ Afu
		▪ LCD4Linux
		▪ Advanced LBP Utility
		▪ Intel DPDK
		▪ Intel QAT (need add one QAT PCIe Card)
		▪ DUI (Offline Diagnostics)
		▪ Individual packages:
Certification/Safety		▪ Advanced LBP Library
		▪ DUI (Offline Diagnostics)
		CCC/CE/FCC/UL/CB

Dimensions

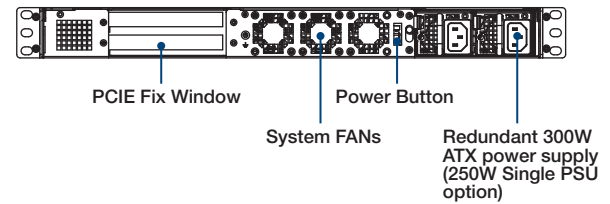
Unit: mm



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

Part Number	Rack Mount	PCH	DIMM slot	Console	USB3.0	LAN Ports Copper	NMC	LCM	BMC	PCIE	mSATA	2.5" HDD	3.5" HDD	PSU
FWA-3270F-00A2R	1U	C236	4	1	2	8	2	LCM	BMC	1 x PCIE x8	1	2	N/A	Redundant AC 300W
FWA-3270L-00A2S	1U	C236	4	1	2	8	2	N/A	N/A	N/A	1	2	1	Single AC 250W

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
9680016959	Slide rail