

FWA-6170

2U Rackmount Network Appliance with Intel® Xeon® Processor Scalable Family, up to 8 NMC slots



Features

- 2 x Intel® Xeon® Scalable Processors Platinum 8100, Gold 6100 & 5100, Silver 4100 and Bronze 3100
- 24 x DDR4 2133/2400/2666 ECC registered memory up to 1536GB
- C626 PCH, 40Gb/s QAT support
- 8 x NMC (Network Mezzanine Card) slots for a wide range of GbE, 10GbE, 40GbE and 100GbE NMCs with or without Advanced LAN bypass. Optional support 4 x HDD kit (for 2.5" HDD) on the top NMC slots
- 2 x internal PCIe x8 slots support for low-profile add-on cards
- 2 x 2.5" removable external SATA HDDs/SSDs
- 2 x M.2 2280 SSD
- IPMI 2.0 compliant Remote Management

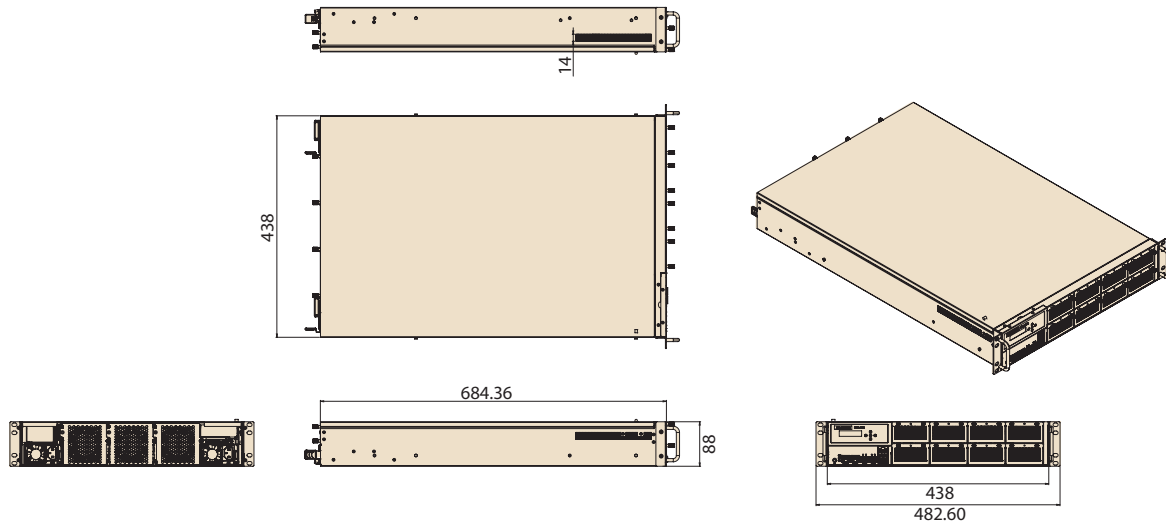


Specifications

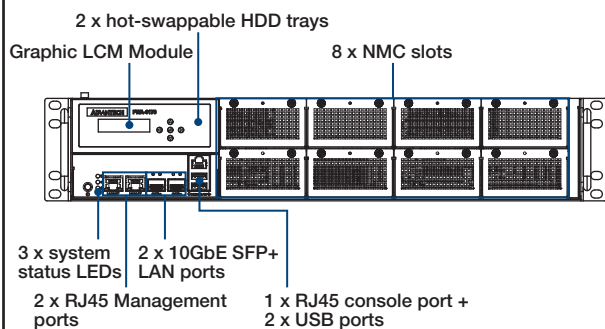
System P/N		FWA-6170F-00A1R	FWA-6170-00A1R	FWA-6170L-00A1R
Form Factor		2U - Rack Mount	2U - Rack Mount	2U - Rack Mount
Processor System	Processor	2 x Intel® Xeon® Scalable Processors Platinum 8100, Gold 6100 & 5100, Silver 4100 and Bronze 3100		
	Core Number	8C/10C/12C/14C/16C/18C/20C/22C/24C/26C/28C		
	Frequency	2.0GHz/2.1GHz/2.2GHz/2.3GHz/2.4GHz/2.6GHz/3.0GHz/3.2GHz/3.4GHz		
	L2 Cache	30MB ~ 75 MB		
	Chipset	C626 (with 40Gb/s QAT)	C622 (without QAT)	C621 (without QAT)
	BIOS	AMI Efi 64Mbit		
Virtualization		VT-d		
Memory	Technology	DDR4, 2133/2400/2666MHz		
	Max. Capacity	1563GB (CPU0x12,CPU1x12)		
	Socket	24 x 288-pin RDIMM		
	ECC Support	Yes		
Networking	Controller	2 x Intel i210-AT		
	1GbE	2 x 10/100/1000 Mbps RJ45 via Intel i210-AT chip		
	10GbE	2 x 10G SFP+ via Intel C622/C626		
	LAN bypass	LBP support by NMC		
Expansion	PCIe x8	2 x low-profile Gen3 x8 slot		
	NMC	8 NMCs		
Storage	2.5" HDD/SSD	Max. 2 x 2.5" HDD/SSD		
	m.2 SSD	2 x M.2 2280		
I/O	Console port	1		
	USB3.0	2		
	LED Indicator	1 x PWR_LED, 1 x Alert_LED, 1 x Locate_LED		
	Others	1 x power button		
	VGA	N/A	N/A	Yes
TPM		Modularized TPM 1.2 (TPM 2.0 optional)		
LCD Module		16 x 2 graphic display, 5 buttons		
Power	Power Type	AC, redundant DC, redundant (optional)		
	Watts	850W		
	Input	100V ~ 240V		
	Connector	CRPS		
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		
	Vibration Resistance	with SSD: 0.3 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis		
	Shock Protection	with SSD: 10G, IEC-60068-2-27, half sine, 11ms duration		
Cooling		6x system FAN with smart FAN		
Mechanical	Construction	Steel		
	Mounting	2U Rackmount		
	Dimensions (W x H x D)	438 x 88 x 684.15 mm (17.24 x 3.46 x 26.93 inch)		
	Weight	20 KG		
OS Support		Linux (CentOS, Red Hat, Ubuntu)		
Advantech S/W Packages		QuickStart Linux Image (CentOS based reference BSP) including <ul style="list-style-type: none"> afu ipmitool LCD4Linux Advanced LBP Utility Intel DPK Intel QAT DUI (Offline Diagnostics) 		
		Individual packages: <ul style="list-style-type: none"> Advanced LBP Library DUI (Offline Diagnostics) 		
IPMI		Carrier Grade BMC, IPMI v2.0 compliant, with web interface, iKVM on request (Advantech IPMI Core)		
Certification		CE/FCC/CB/UL/CCC		

Dimensions

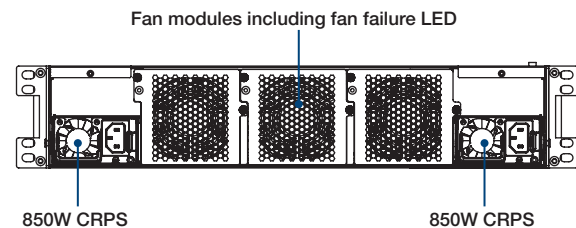
Unit: mm



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

Part No.	CPU	DDR4	PCH	QAT	PCIe slot	NMC slot	USB 3.0	MGMT port	10G SFP+	Console	BMC	LCM	VGA	PSU
FWA-6170F-00A1R	2 sockets for Intel® Xeon® Scalable Processors	24	C626	Yes	2	8	2	2	2	1	Yes	1	N/A	850W AC
FWA-6170-00A1R	2 sockets for Intel® Xeon® Scalable Processors	24	C622	No	2	8	2	2	2	1	Yes	1	N/A	850W AC
FWA-6170L-00A1R	2 sockets for Intel® Xeon® Scalable Processors	24	C621	No	2	8	2	2	N/A	1	N/A	1	Yes	850W AC

Packing List

Part Number	Description
1700020691-01	Console cable D-SUB9P(F)/RJ45 220 cm

Optional Power Supply List

Part Number	Description
96PSRM-A1K2WCR	AC 1200W PSU (Recommend for 2 x 205W CPU + 4 x NVMe SSD condition)
XFWA-DPS800AB-14G	DC 800W PSU

Optional 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
9692326040E	TPM 2.0
9680016905	Slide rail