

FWA-6070

2U Rackmount Network Appliance with single Intel® Xeon® Processor Scalable Family



Features

- 1 x Intel® Xeon® Scalable Processors Platinum 8100, Gold 6100 & 5100, Silver 4100 and Bronze 3100
- 12 x DDR4 2133/2400/2666 ECC registered memory up to 384 GB
- C621/C626 PCH, up to 40Gb/s QAT support
- Up to 8 x NMC (Network Mezzanine Card) slots for a wide range of GbE, 10GbE, 40GbE and 100GbE NMCs with or without Advanced LAN bypass
- 2 x internal PCIe x8 slots support for FH/HL add-on cards (By SKU)
- 4 x 3.5" removable external SATA HDD (By SKU)
- Build-in QAT support (By SKU)
- 1 x M.2 2280 SSD
- 1 x mSATA
- IPMI 2.0 compliant Remote Management

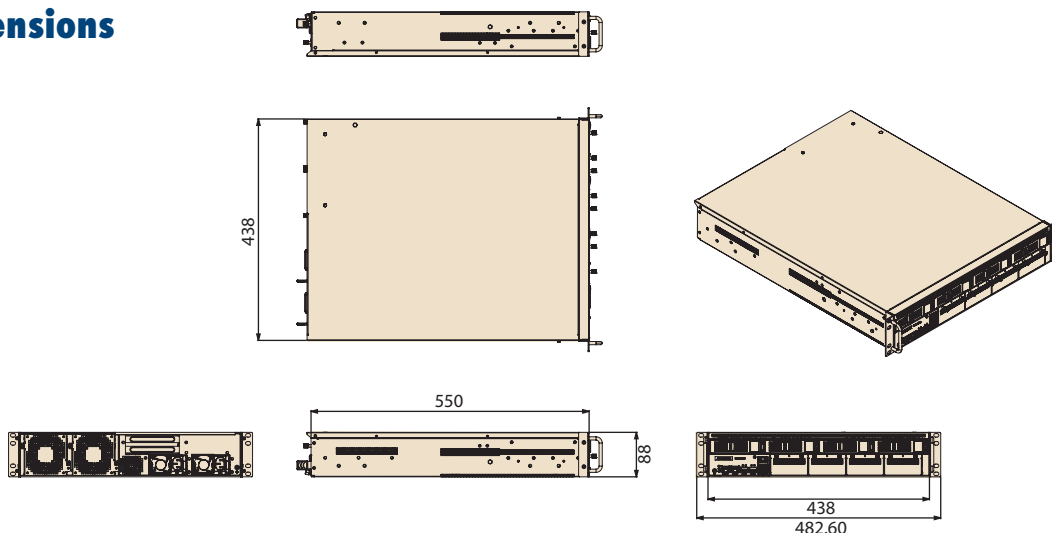


Specifications

System P/N		FWA-6070S-00A1R	FWA-6070SQ-00A1R	FWA-6070N-00A1R
Form Factor		2U - Rack Mount		
Processor System	Processor	Intel® Xeon® Platinum 8100, Gold 6100 & 5100, Silver 4100 and Bronze 3100 processors		
	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	C621 (without QAT)	C626 (with up to 40Gb/s QAT)	C621 (without QAT)
	BIOS	AMI Efi 64Mbit		
Virtualization		VT-x, VT-d, EPT		
Memory	Technology	DDR4, 2133/2400/2666MHz		
	Max.Capacity	384GB		
	Socket	12 x 288-pin RDIMM		
	ECC Support	Yes		
Networking	Controller	1 x Intel i210-AT		
	1GbE	2 x 10/100/1000 Mbps RJ45 via Intel i210-AT chip		
	10GbE	N/A	2 x 10G SFP+ via Intel C626	N/A
	LAN bypass	LAN bypass is supported by NMC		
Expansion	PCIe	2 x PCIe x8 (FH/HL)	1 x PCIe x8 (FH/HL)	N/A
	NMC	4	4	8 (6 x PCIe x8 ; 2 x PCIe x4)
Storage	2.5"HDD/SSD	N/A		
	3.5"HDD	4 x External 1 x Internal	4 x External 1 x Internal	2 (Internal)
	m.2 SSD	1 x M.2 2280		
	Others	1 x mSATA		
I/O	Console port	1		
	USB3.0	2		
	LED Indicator	1 x PWR_LED, 1 x Alert_LED, 1 x SW_LED		
	Others	1 x Power Button		
TPM		Modularized TPM 1.2 (TPM 2.0 optional)		
LCD Module		N/A		
Power	Power Type	AC, redundant		
	Watts	650W		
	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	0.3 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis		
	Shock Protection	10G, IEC-60068-2-27, half sine, 11ms duration		
Cooling		2 x 80CM height		
Mechanical	Construction	Steel		
	Mounting	2U Rackmount		
	Dimensions (W x H x D)	438 x 88 x 550 (mm)		
	Weight	20KG		
OS Support		Linux (CentOS, Red Hat, Ubuntu)		
Advantech S/W Packages		System diagnostic tool and quick start image		
IPMI		IPMI v2.0 compliant, with web interface, iKVM on request (Advantech IPMI Core)		N/A
Certification		CE/FCC/CB/UL/CCC		

Dimensions

Unit: mm



Front Panel External I/O Mechanical Layout/Drawing

3 x System LED



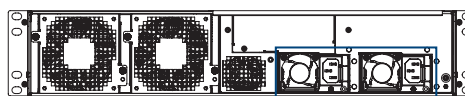
2 x RJ45 Mgmt. ports 8 x NMC (2 x PCIeX4; 6 x PCIeX8)
1 x RH45 console port
+ 2 x USB ports

2 x 10GbE SFP+ LAN ports
3 x System LED 4 x 3.5" HDD

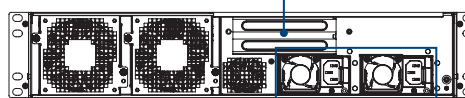


2 x RJ45 Mgmt. ports 4 x NMC
1 x RH45 console port
+ 2 x USB ports

Rear Panel External I/O Mechanical Layout/Drawing



650W CRPS



650W CRPS

2 x PCIeX8

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-6070S-00A1R	1 socket for Intel® Xeon® Scalable Processors	12	C621	No	2	4	2	2	N/A	1	Yes	N/A	N/A	650W AC
FWA-6070SQ-00A1R	1 socket for Intel® Xeon® Scalable Processors	12	C626	Yes	1	4	2	2	2	1	Yes	N/A	N/A	650W AC
FWA-6070N-00A1R	1 socket for Intel® Xeon® Scalable Processors	12	C621	No	N/A	8	2	2	N/A	1	N/A	N/A	N/A	650W AC

Packing List

Part Number	Description	Quantity
1651003167-01	CPU Carrier	1
1960081028N011	CPU Heatsink	1
1960083584N013	Rack mount bracket	2
1930007259-01	Screws for rack mount bracket	4
1930008047	Screws for slide rail & 3.5" HDD	25
1700018950	Console cable	1

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
1700027334-01	USB for RJ45 console cable, 190cm
9692326040E	TPM 2.0
968DE00067	Slide rail