FWA-6072

2U Rackmount Network Appliance with 4th & 5th Generation Intel® Xeon® Scalable Processor for NFV

Features

- Up to 60 cores for NFV needs with single 4th & 5th Generation Intel® Xeon® scalable processors
- Up to 16 DDR5 RDIMM memory to boost computing capability
- 8 x NMC with PCIe Gen5 for networking (Compatible with Gen4 & Gen3)
- High availability system with redundant solutions
- Managing system with Advantech in-house IPMI firmware (Comply with Redfish 1.14.1)

Specifications

System P/N		FWA-6072-00A1R
Form Factor		2U Rack Mount
Processor System	Processor	4th & 5th Generation Intel® Xeon® Scalable Processors
	Core Count	Up to 60C
	Base Frequency	Up to 3.7 GHz
	Chipset	C741
	BIOS	AMI UEFI
Virtualization		Intel® VT-Redirect Protection, Intel® S-IOV
Memory	Technology	DDR5, up to 5600 MT/s
	Max. Capacity	1024 GB (64 GB per slot)
	Socket	16 x 288-pin DIMM
	ECC Support	RDIMM
Networking	Controller	2 x Intel i210
	1GbE	2 x 1GbE RJ45
Expansion Slot	PCIe x16	1 x PCIe Gen4 x16 FH/HL
	NMC	8 x PCIe Gen5 x8
IPMI		IPMI 2.0 and Redfish compliant
Storage	2.5" Bay	2 x External 2.5" HDD/SSD
	M.2	1 x M.2 2280 M-Key for SATA SSD; 1 x M.2 2280 M-Key for SATA SSD or PCIe Gen3 x4 NVME
I/O	Console	1 x RJ45 type console
	USB	2 x USB 3.0
	LED Indicator	1 x Power LED, 1 x Alert LED, 1 x Locate LED, 1 x Software-defined LED
	Display	1 x VGA port
	Button	1 x Power button, 1 x Software-defined button
	Others	1x dedicated 1GbE LAN for IPMI
TPM		TPM 2.0
Power Supply	Power Type	AC Redundant CRPS (Option: DC Redundant CRPS)
	Watts	800 W
	Input	AC: 100-240V~, 8-4A, 50-60Hz (Option: DC -48V)
	Connector	AC 3pin plug
Environment	Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)
	Non-operating Temperature	-40 ~ 70 °C (-40 ~ 158 °F), 60 °C@95% Non-Condensing Humidity
	Vibration Resistance (Operation)	5-500 Hz, 0.3 Grms, 3 axes, 1 hr/per axis
	Shock Protection (Operation)	10 G, 11 ms
Cooling		3 x Hot swap 8038 mm fan
Mechanical	Construction	SGCC
	Mounting	Rackmount
	Dimensions (W x H x D)	438 x 88 x 600 mm (17.2" x 3.4" x 23.6")
	Weight (G.W.)	15kg (33.06 lbs)
OS Support		Linux (CentOS, Red Hat, Ubuntu, Fedora)
Advantech S/W Packages		1. ALBPCU 2. APOECU 3. ipmitool 4. Server iManager (Linux base) -Health Guard -Diagnostic Framework -Network device identifier (NDI) 5. Quick Start Linux Image
Certification	EMC/Safety	CE, FCC, CB, UL, CCC

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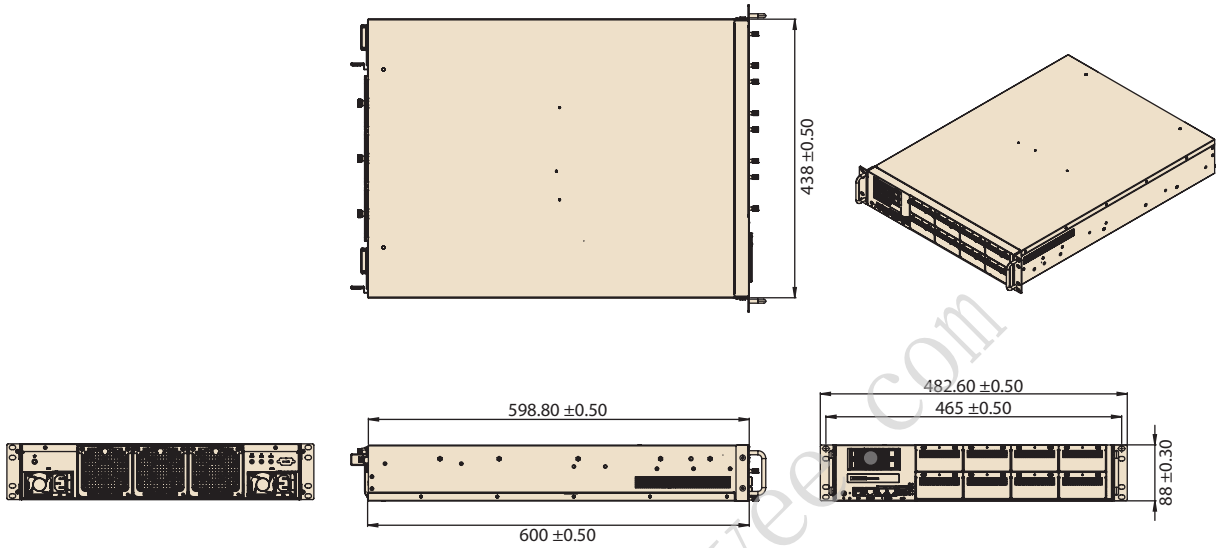
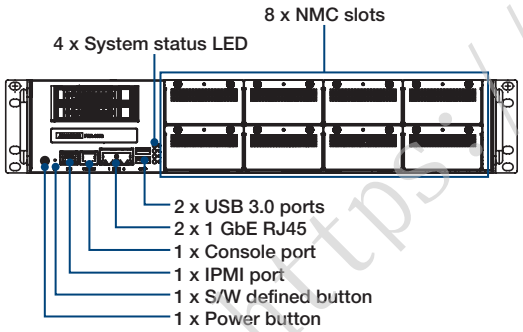
Dimensions

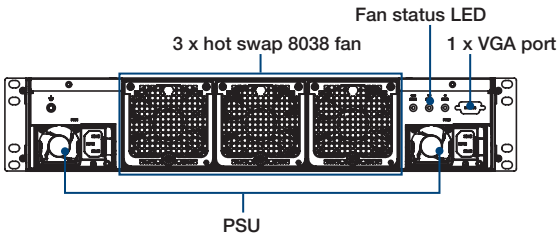
Unit: mm



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



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Ordering Information

Part Number	Processor	DDR5	PCH	QAT	NMC Slot	PCIe Slot	Storage Bay	USB3.0	IPMI Port	Console Port	LAN Port			System Fan	PSU
											1G RJ45	1G SFP	10G SFP+		
FWA-6072-00A1R	Single socket for 4th & 5th Gen. Intenl Xeon scalable processors	16	C741	By CPU SKU	8	1	2	2	1	1	2	0	0	3	2

Packing List

Part Number	Description	Quantity
1700020691-01	M CABLE D-SUB 9P(F)/RJ45 220cm	1
1651003738-01	IC SKT LGA 4677 SKT E EGS Carrier Assy,E1A	1
1651003739-01	IC SKT LGA 4677 SKT E EGS Carrier Assy,E1B	1
1970005574T001	CPU HS for FWA-6072, Up to 300W	1
1930008928	Screws for slide rail installation	10
1930007259-01	Screws for mounting ear	4
1960083584N021	Mounting ear	2

Optional Accessories

Part Number	Description
1702002600	Power cord 3P 180 cm, USA
1702002605	Power cord 3P 180 cm, Europe
1702031801	Power cord 3P 180 cm, UK
1700000237	Power cord 3P 180 cm, JP
1700009652	Power cord 3P 180 cm, China
1930008928	Screws for slide rail installation (Order 10 pieces per system)
968DE00026	Slide rail for post to post dimension 558.9 - 850.9mm
FWA-3050-800WPSU	800W DC Power kit
1700027334-01	USB for RJ45 console cable, 190cm