

# FWA-5082

## 1U Rackmount Network Appliance with AMD EPYC™ 8004 Series Processor for NFV and SD-WAN



### Features

- Up to 64 cores for NFV needs with single AMD EPYC™ 8004 Series processors
- Up to 12 DDR5 RDIMM memory to boost computing capability
- 4 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)

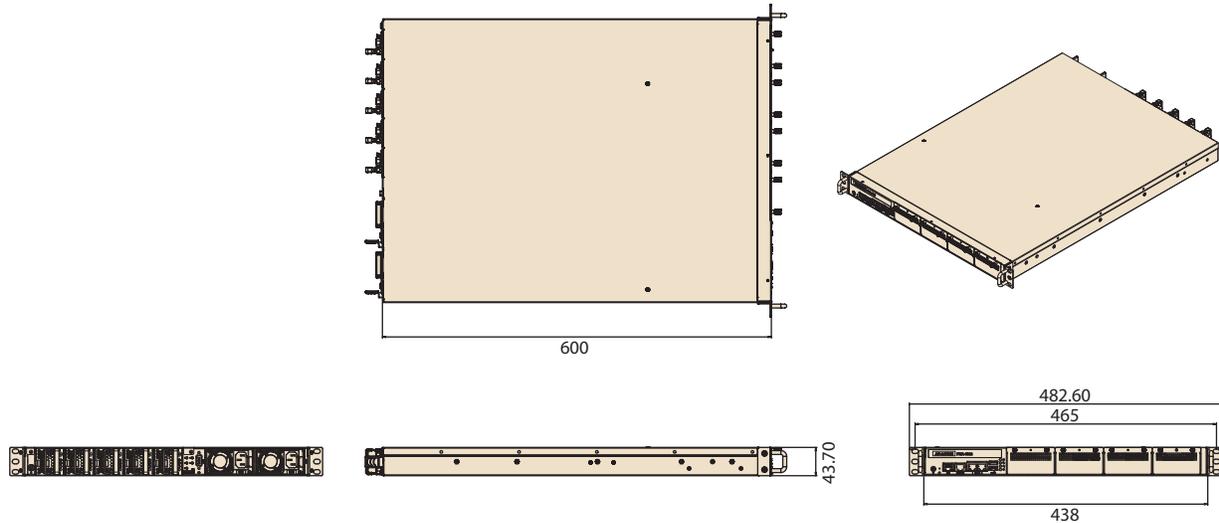


### Specifications

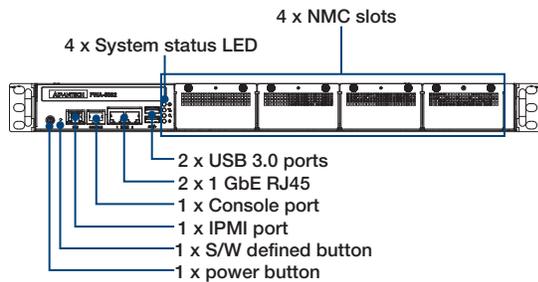
System P/N		FWA-5082-00A1R
Form Factor		1U Rack Mount
Processor System	Processor	AMD EPYC™ 8004 Series Processors
	Core Count	Up to 64C
	Base Frequency	Up to 2.65 GHz
	BIOS	AMI UEFI
Memory	Technology	DDR5, up to 4800 MT/s
	Max. Capacity	768 GB (64 GB per slot)
	Socket	16 x 288-pin DIMM
	ECC Support	RDIMM
Networking	Controller	2 x Intel i210
	1GbE	2 x 1GbE RJ45
Expansion Slot	PCIe x16	1 x PCIe Gen4 x16 FH/HL
	NMC	4 x PCIe Gen5 x8
IPMI		IPMI 2.0 and Redfish compliant
Storage	2.5" Bay	2 x Internal 2.5" HDD/SSD
	M.2	2 x M.2 2280 M-Key for SATA SSD or PCIe Gen4 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	550 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		5 x Hot swap 4056 mm fan
Mechanical	Construction	SGCC
	Mounting	Rackmount
	Dimensions (W x H x D)	438 x 43.7 x 600 mm (17.2" x 1.7" x 23.6")
	Weight (G.W.)	11 kg (24.25 lbs)
OS Support		Linux (CentOS, Red Hat, Ubuntu, Fedora)
Advantech S/W Packages		<ol style="list-style-type: none"> <li>1. ALBPCU</li> <li>2. APOECU</li> <li>3. ipmitool</li> <li>4. Server iManager (Linux base) <ul style="list-style-type: none"> <li>-Health Guard</li> <li>-Diagnostic Framework</li> <li>-Network device identifier (NDI)</li> </ul> </li> <li>5. Quick Start Linux Image</li> </ol>
Certification	EMC/Safety	CE, FCC, CB, UL, CCC

## Dimensions

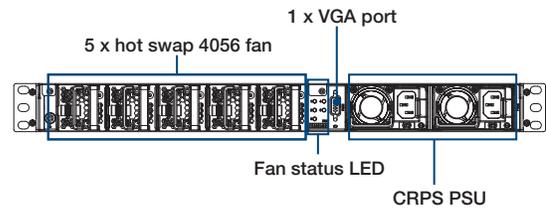
Unit: mm



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



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



## Ordering Information

Part Number	Processor	DDR5	NMC Slot	PCIe Slot	Storage Bay	USB3.0	IPMI Port	Console Port	1G RJ45	LAN Port 1G SFP	10G SFP+	System Fan	PSU
FWA-5082-00A1R	Single socket for AMD EPYC™ 8004 Series processors	12	4	1	2	2	1	1	2	0	0	5	2

## Packing List

Part Number	Description	Quantity
1700035183-01	Slim SAS to SATA cable	1
1700034038-01	SATA Cable	2
1700020691-01	M CABLE D-SUB 9P(F)/RJ45 220cm	1
1970005915N001	CPU HS for FWA-5082, up to 200W	1
1930008928	Screws for slide rail installation	10
1935030430	HDD & M.2 screw	10
1990022958S000	Cable tie for HDD installation	4

## 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
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
1930008928	Screws for slide rail installation (Order 10 pieces per system)