

# FWA-4134

## 2U Rackmount Network Application Platform base on Intel 12th/13th/14th Gen Intel® Core Processors

Preliminary



### Features

- Intel® 12th/13th/14th gen Core™ i9/i7/i5/i3 Processors
- Combining Performance-cores with Efficient-cores supporting up to 24 cores/ 32 threads for outstanding performance
- 4 x DDR4 3200MHz ECC UDIMMs, up to 128GB
- 2x GbE Mgmt ports
- 4/8 x NMC slots (Network Mezzanine Card) for a wide range of GbE, 10GbE, 40GbE and 80GbE NMCs with or without advanced LAN bypass
- One PCIe x8 Slot on rear, support FH/HL add-on cards with Gen3 PCIe x4 bandwidth
- One mSATA slot, 4 x 3.5" HDD Bay, 1x MiniPCIe slot

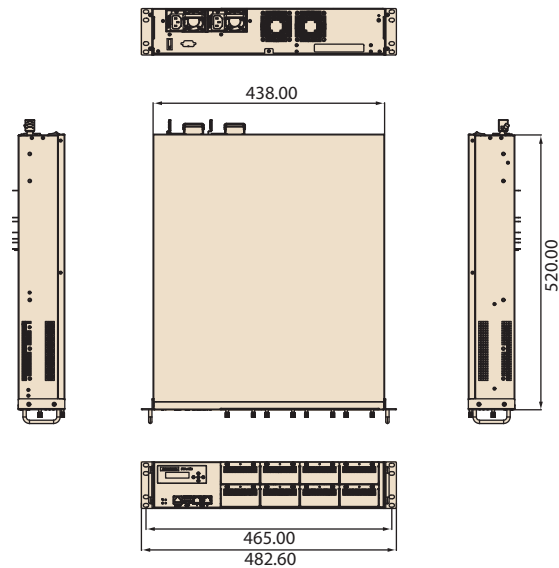


### Specifications

System P/N		FWA-4134-00A1R	FWA-4134-01A1R
Form Factor		2U	
Processor System	Processor	Intel 12th/13th/14th Gen Core processors LGA1700	
	Core Count	up to 24C	
	Base Frequency	up to 3.6 GHz (5.6 GHz Turbo frequency)	
	Chipset	R680E	
	BIOS	AMI UEFI	
Virtualization		Intel® VT-x, VT-d, SR-IOV	
Memory	Technology	DDR4, 3200MHz	
	Max. Capacity	128 GB	
	Socket	4 x 288-pin DIMM	
	ECC Support	ECC/Non-ECC UDIMM	
Networking	Controller	2 x Intel i210-AT	
	1GbE	2 x 1GbE RJ45	
	LAN Bypass	Support by NMC	
Expansion Slot	PCIe x8	1 PCIe x 8 slot on rear, PCIe x 4 bandwidth, Support FH/HL card with Gen3	
	NMC	4	8
	Mini PCIe	1	
Storage	HDD Bay	4 x 3.5" or 4 x 2.5" HDD/SSD	2 x 3.5" or 2 x 2.5" HDD/SSD
	mSATA	1	
I/O	Console	1 x RJ45 type console	
	USB	2 x USB 3.2 Gen 2x1 ports	
	LED Indicator	1 x Power (Green) 1 x HDD LED (Amber)	
	Display	1 x VGA port	
	Button	1 x Power button 1 x SW-defined button (option)	
TPM		Support by TPM 2.0 module (Optional)	
LCD Module		16 x 2 graphic display,5 buttons	
Power Supply	Power Type	AC Redundant	
	Watts	350/300 W	
	Input	100-240 V	
	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)	with SATA HDD: 0.5 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis	
	Shock Protection (Operation)	with SATA HDD: 10G, 11ms,IEC-60068-2-27, X,Y,X-X,-Y-Z axis, 3times per axis	
Cooling		2 x System Smart Fan	
Mechanical	Construction	SECC	
	Mounting	Rackmount	
	Dimensions (W x H x D)	438 x 88 x 520 mm (17.24" x 3.4" x 20.4")	
	Weight (G.W.)	20 kg (11.9 lbs)	
OS Support		Linux (Red Hat, Ubuntu) Only UEFI FW and UEFI aware Linux OS	
Advantech S/W Packages		1. ALBPCU 2. Server iManager (Linux base) -Health Guard -Diagnostic Framework -Network device identifier (NDI) 3. Quick Start Linux Image	
Certification		EMC/Safety CCC	

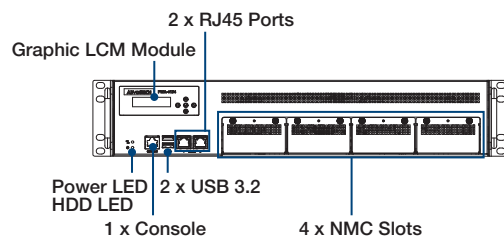
## Dimensions

Unit: mm

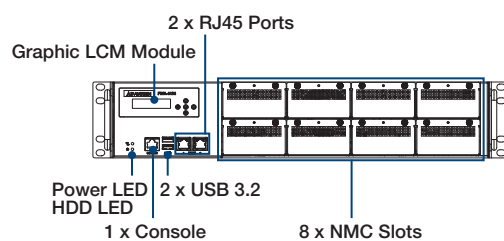


### Front Panel External I/O Mechanical Layout/Drawing

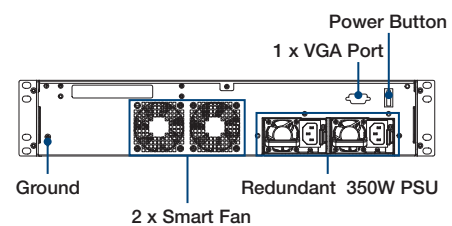
#### FWA-4134-00A1R



#### FWA-4134-01A1R



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



## Ordering Information

Part Number	Processor	DDR4	PCH	QAT	NMC Slot	PCIe Slot	Storage Bay	USB 3.0	IPMI Port	Console Port	LAN Port 1G RJ45	System Fan	PSU
FWA-4134-00A1R	Single socket for 12th/13th/14th Gen Intel® Core™ processor	4	R680E	N/A	4	1	4	2	N/A	1	2	2	CRPS 350W
FWA-4134-01A1R	Single socket for 12th/13th/14th Gen Intel® Core™ processor	4	R680E	N/A	8	1	2	2	N/A	1	2	2	CRPS 350W

## Packing List

Part Number	Description
1700020691-01	Console cable D-sub 9-pin 2 m

## Accessories

Part Number	Description
1700009652	Power cord 3P 180 cm, China
968DE00067	2U Slide rail, 26" (pair)
PCA-TPMSPI-00A1	TPM 2.0 Module by SPI for CPU cards, A101-1