

FWA-4130

2U Rackmount Network Appliance Platform based on Intel® Xeon® E3 series and 6th/7th generation Intel® Core™ i7/i5/i3 Processors



Features

- Intel® Xeon® E3 V5/V6 family and 6th/7th gen. Intel® Core™ i7/i5/i3 processors
- 4 x DDR4 2133/2400MHzECC UDIMMs, up to 64GB
- 2 x GbE Mgmt. ports
- 4 x NMC slots (Network Mezzanine Card) for a wide range of GbE, 10GbE and 40GbE NMCs with or without advanced LAN bypass, up to 8NMC slots (SKU optional)
- One PCIe x8 Slot on rear, support FH/HL add-on cards with Gen3 PCIe x4 bandwidth
- One mSATA slot, 2 x 3.5" HDD Bay, CF slot (Optional)
- IPMI2.0 compliant Remote Management (Module Optional)

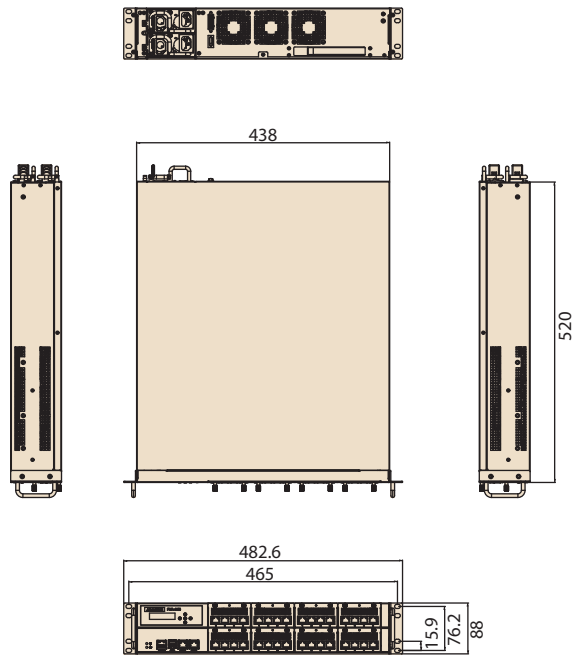


Specifications

Processor System	CPU	Socket LGA 1151 (E3-1200v5; 6th Core-I; Pentium; Celeron®)
	Core number	2C/4C
	Max. Speed	2.4/3.6 GHz
	L2 Cache	2MB/4MB/6MB/8MB
	BIOS	AMI EFI 64Mbit
Memory	Technology	DDR4, 2133/2400MHz
	Socket	4 X 288-pin UDIMM
	Capacity	64 GB
	ECC Support	Yes (E3 CPU only)
Networking	Controller	2 x Intel i210-AT
	1GbE	2 x 10/100/1000 Mbps RJ45 via Intel I210 chip
	LAN Bypass	support by NMC
Expansion	NMCs	4 NMC slots, 8NMC (SKU optional)
	NMC PCIe Bandwidth	Slot1, 2 Gen3 PCIe8 from CPU, Slot3, 4 Gen3 PCIe4 from PCH (Slot1~4 sequence from Left to Right on Front)
	PCIe slot	1 PCIe x8 slot on rear, support FH/HL card with Gen3 PCIe x4 bandwidth
Storage	mSATA slot	1 mSATA slot
	CF slot	1 CF slot (Optional)
	HDD Bay	2 x 3.5" HDD bay, 2 x 2.5" HDD bay
I/O	Console port	1
	USB3.0	2
	LED Indicator	1x Power LED (Green), 1 x HDD LED (Amber)
	Power button	1
TPM	TPM	TPM2.0 module optional
LCD Module		16x2 graphic display, 5 buttons
Power	Power Type	AC Redundant, DC-48V Redundant (optional)
	Watts	300W
	Input	100 V ~ 240 V
	Connector	AC 3pin plug
Environment	Operating Temperature (air flow 0.7 m/sec)	0 ~ 40 °C (32 ~ 104 °F)
	Non-operating Temperature	-40 ~ 60° C (-40 ~ 140° F)
		5 ~ 95%
	Vibration Resistance	with SATA HDD: 0.5 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis
	Shock Protection	with SATA HDD: 10G, 11ms, IEC-60068-2-27, X, Y, X-X, -Y-Z axis, 3times per axis
Mechanical	Construction	Iron
	Mounting	2U Rackmount
	Dimensions (W x H x D)	438 x 88 x 520 mm (17.24" x 3.4" x 20.4")
	Weight	20 kg (11.9 lbs)
OS Support		Linux (CentOS, Red Hat)
Advantech S/W Packages		QuickStart Linux Image (CentOS based reference BSP) including Afru IPMI tool Advanced LAN Bypass Utility Intel DPDK
IPMI		IPMI v2.0 compliant (Optional, based on AST2500 BMC module)
Certification		CE/FCC/CB/UL/CCC

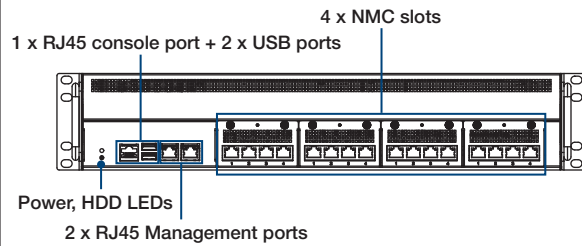
Dimensions

Unit: mm



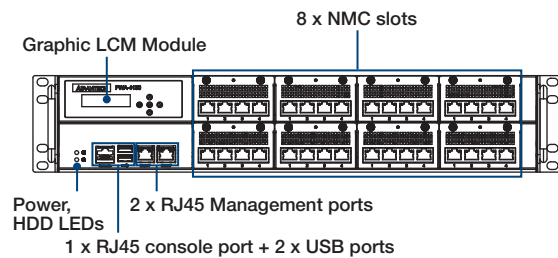
FWA-4130L

Front Panel External I/O Mechanical Layout/Drawing

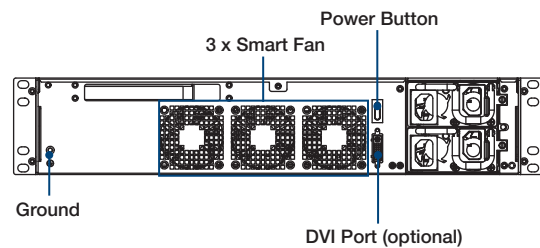


FWA-4130F

Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

Part Number	PCH	DDR4	USB 3.0	Mgmt. Port	Console	NMC Slot	HDD bay	mSATA	CF	PSU
FWA-4130L-0000E	C236	4	2	2	1	4	2 x 3.5"	1	Optional	AC 300W redundant
FWA-4130F-0001E	C236	4	2	2	1	8	1 x 2.5"	1	Optional	AC 300W redundant

Packing List

Part Number	Description
1700018971	SATA Data cable 15cm
1700020691-01	Console cable D-sub 9-pin 2 m
1960083584N001	Rack mount Ear bracket

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

Optional Accessories