

FWA-1211

Industrial Grade Cyber Security Appliance based on Intel® Atom™ x5-E3940/ x5-E3930 Processor



Features

- Industrial Grade DIN Rail fanless Cyber Security Appliance
- Supports Intel® Atom™ x5-E3940 Processor
- 1 x DDR3L 1600/1867MHz SODIMM, up to 8G
- 1 x GbE Copper Mgmt. port
- 4 x 10/100/1000 Mbps Copper ports with 2 segments of LAN bypass
- 2 x 10/100/1000 Mbps SFP ports
- 1 x 2.5" SATA SSD bay
- 1 x mSATA slot
- Wide operating temperature -40 ~ 70 °C
- IP Rating: IP40
- Dual power input: 9~36V

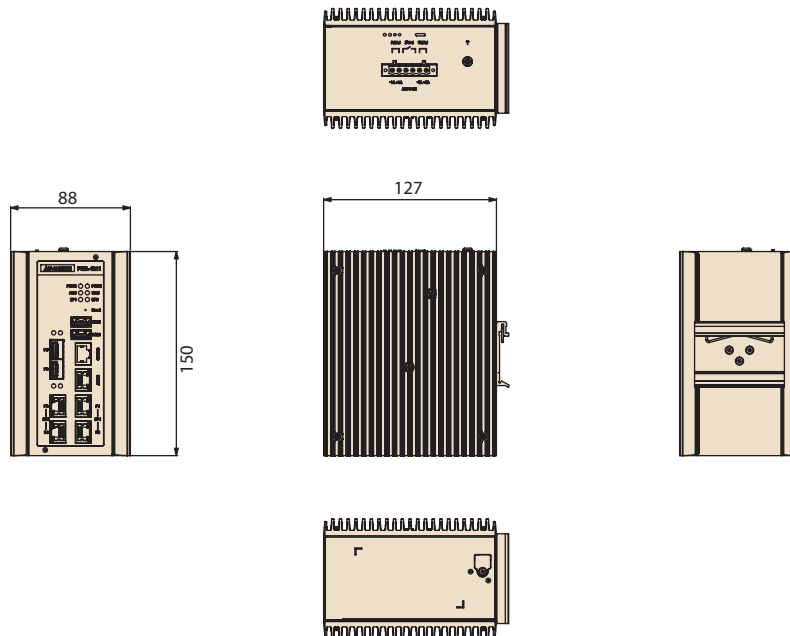


Specifications

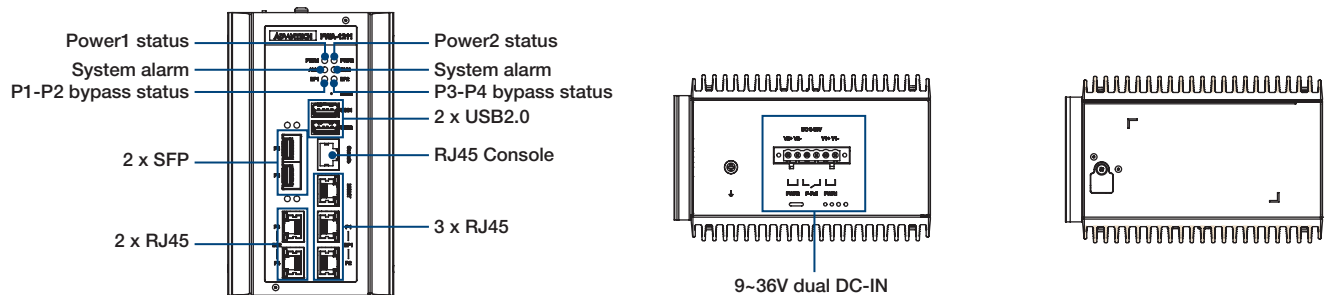
Processor System	CPU	Intel Apollo Lake x5-E3940
	Max. Speed	1.6 GHz (4Cores)
	L2 Cache	2MB
	BIOS	AMI EFI 16 Mbit
Memory	Technology	1 x DDR3L 1333/1600/1867MHz/Wide temp
	Socket	1 x 204-pin SODIMM
	Capacity	8GB
	ECC Support	Non-ECC
Networking	Controller	5 x Intel i210-IT 2 x Intel i210-IS
	1GbE	5 x 10/100/1000 Mbps RJ45 via Intel i210-IT
	SFP	2 x 10/100/1000 Mbps SFP via Intel i210-IS
	LAN bypass	2 pairs of Advanced LAN Bypass
	Magnetic Isolation Protection	1.5KV magnetic isolation protection
Storage	2.5" HDD/SSD	1x 2.5" SSD
	mSATA SSD	1 x mSATA Slot (only Half Size)
I/O Interface	Console port	1
	USB	2 x USB2.0
	Reset Button	1
	Serial port	2 x DB9 RS-232/422/485 (SKU option)
	Power LED	2, Green
	HDD LED	1, Amber
	Alarm LED	1, Red
Bypass LED	2, Amber	
TPM	TPM	LPC connector reserved for TPM module option
Power	Power Type	Dual DC-IN
	Input	DC 9~36V
	Connector	Phoenix contact 6-pin connector w/ lock
Environment	Operating Temperature	-40 ~ 70 °C (-40 ~ 158 °F)
	Non-operating Temperature	-40 ~ 85 °C (-40 ~ 185 °F)
	Humidity	5 ~ 95%
Mechanical	Construction	Iron
	Mounting	DIN Rail
	System Cooling	Fanless
	Dimensions (D x W x H)	127 x 88 x 150 mm (5" x 3.47" x 5.9")
	Weight	3kg (6.6lbs)
OS Support	IP Rating	IP40
		Linux (CentOS, Red Hat.)
Advantech S/W Packages		QuickStart Linux Image (CentOS based reference BSP) including <ul style="list-style-type: none"> ▪ Afru ▪ Advanced LBP Utility
		Individual packages: <ul style="list-style-type: none"> ▪ Advanced LBP Library ▪ Watchdog ▪ Sensor Reader ▪ GPIO
Certification	EMC	CE/FCC Class-A, CCC
	Safety	UL/CB/CCC

Dimensions

Unit: mm



I/O View



Ordering Information

part number	Processor	DDR3L	RJ45 LAN port	SFP	Console	SATA SSD	mini-PCIE	Bypass
FWA-1211-4CA1S	E3940	1	5	2	1	1	1	2

Packing List

Part Number	Description	Quantity
1700020691-01	Console cable D-SUB 9P(F)/RJ45-8P8C 220cm	1
1700030224-01	DC jack power cable plug-in 6P-5.0/DC JACK D2.5x2 10cm	1
1990035354N010	Thermal-Pad 38x28x1mm T P K=8 Eapus PG80B	1
1960018849T041	Din-rail Bracket for UNO-2271G LV3	1

Optional Accessories

Part Number	Description
96PSA-A60W12V1-4	ADP A/D 100-240V 60W 12V C14 DC PLUG 180°
98923260J0E	TPM2.0 Module
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