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 x10/100/1000 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
	Display	1 x Micro-HDMI (Option, only for debug)
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)
	IP Rating	IP40
OS Support		Linux (CentOS, Red Hat,)
Advantech S/W Packages		QuickStart Linux Image (CentOS based reference BSP) including ▪ Afru ▪ Advanced LBP Utility Individual packages: ▪ Advanced LBP Library ▪ Watchdog ▪ Sensor Reader ▪ GPIO
Certification	EMC	CE/FCC Clase-A, CCC
	Safety	UL/CB/CCC

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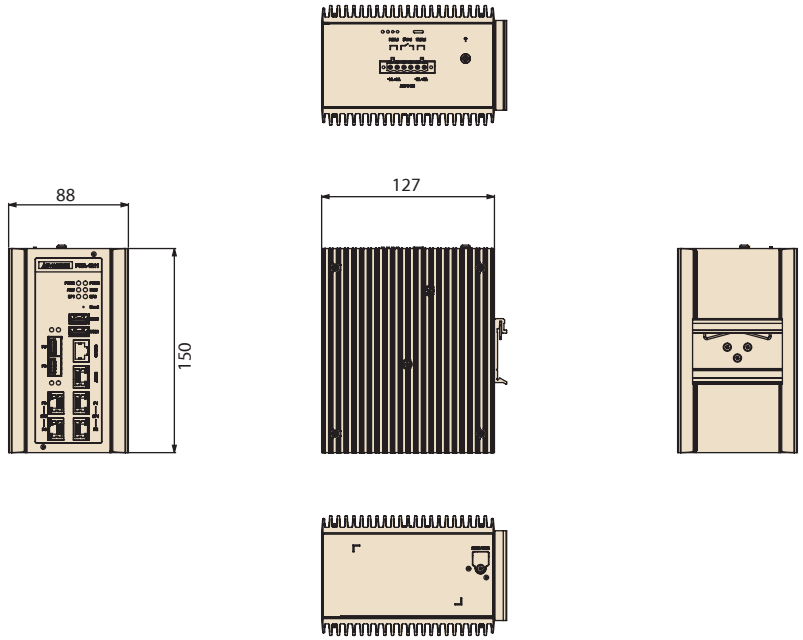
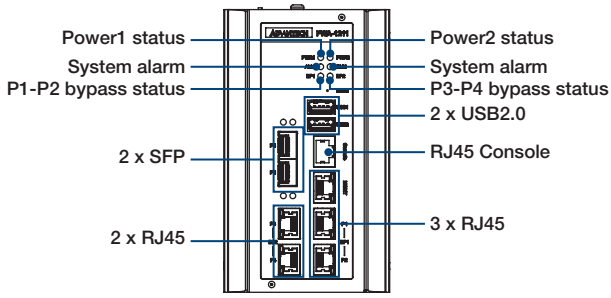
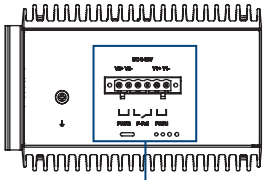
Dimensions

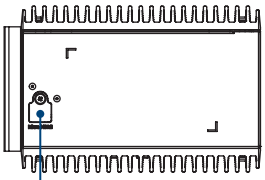
Unit: mm



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
1700020691-01	Console cable D-sub 9-pin 2m
1700030086-01	SATA cable
1700030224-01	Phoenix terminal

Recommended Adaptor

Part number	Description
96PSA-A40W12V3-3	ADP A/D 100-240V 40W 12V C14 DC JACK 62368