

# FWA-1214

## Robust Industrial Network Appliance with x7433RE/x7835RE Intel® Atom® Processors for OT Network Security



### Features

- Intel® Atom™ x7433RE / x7835RE Processors
- 1 x DDR5 4800MT/s SODIMM up16 GB
- 4 x 1GbE RJ45 ports with 1 pair bypass
- Up to 2 x 1 GbE SFP ports
- Redundant 9-48V DC power input
- Expandable RF carrier for 2 LTE / 5G modules
- Wide temperature -40-60°C, IP40

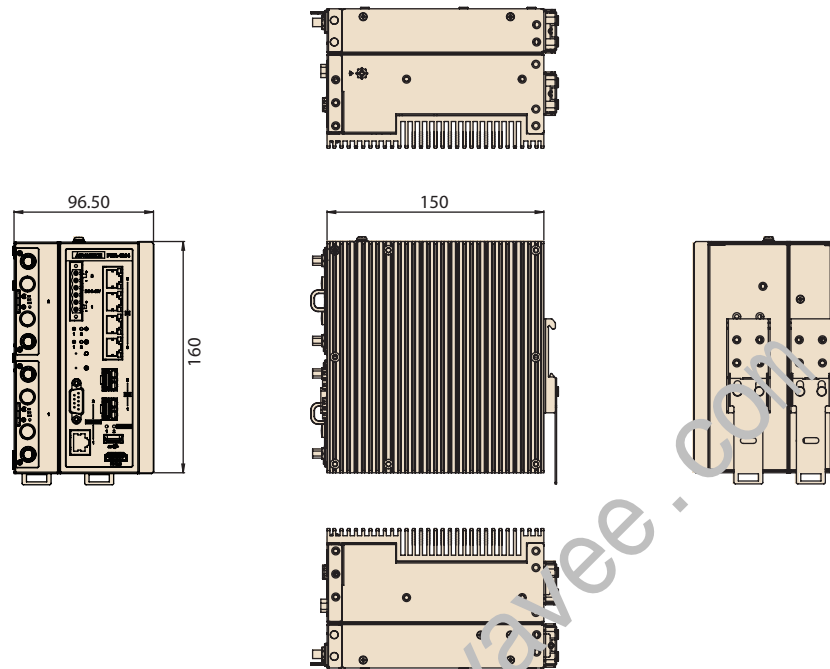


### Specifications

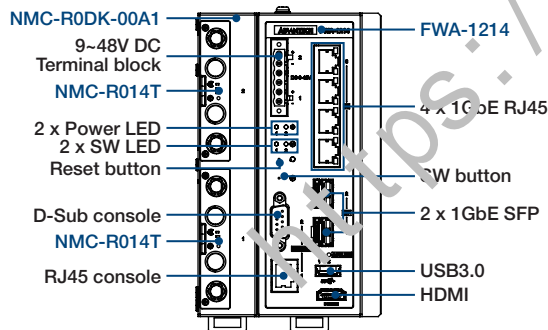
System P/N		FWA-1214LRI-4CA1R	FWA-1214FRI-8CA1R
Form Factor		DIN-Rail	
Processor System	Processor	x7433RE	x7835RE
	Core Count	4	8
	Base Frequency	1.5 GHz	1.3 GHz
	BIOS	AMI UEFI	
Virtualization		Intel® VT-X, VT-D	
Memory	Technology	DDR5	
	Max. Capacity	16 GB	
	Socket	SODIMM	
	ECC Support	In-Band ECC	
Networking	Controller	Intel i210	
	1 GbE	4 x 1 GbE RJ45 (Additional 2 x 1 GbE RJ45 by project base)	4 x 1 GbE RJ45 2 x 1 GbE SFP
	LAN Bypass	1 pair	
Expansion Slot	M.2 (Except SSD)	Option	
	SIM Socket	Option	
Storage	M.2	2 x M.2 2242, M key, SATA SSD	
	eMMC	Option by project	
I/O	Console	1 x RJ45 type console	1 x RJ45 type console 1 x D-sub type console
	USB	1 x USB 3.0	
	LED Indicator	2 x Power LED, 2 x Software-defined LED	
	Display	1 x HDMI port	
	Button	1 x Reset button, 1 x Software-defined button	
TPM	TPM2.0 module	Option	
Power Supply	Power Type	Terminal Block	
	Watts	60 W (optional power adaptor)	
	Input	Dual DC: 9-48 V	
	Connector	6P terminal block	
Environment	Operating Temperature	-40 ~ 60 °C (-40 ~ 140 °F) (0.7m/s air flow and not including power adaptor)	
	Non-operating Temperature	-40 ~ 70 °C (-40 ~ 158 °F), 60 °C@95% Non-Condensing Humidity	
	Vibration Resistance (Operation)	5-500 Hz, 1 Grms, 3 axes, 1 hr/per axis	
	Shock Protection (Operation)	10 G, 11 ms	
Cooling		Fanless	
Mechanical	Metallic Material	SGCC & Aluminum	
	Mounting	DIN-Rail	
	Dimensions (W x H x D)	160 x 96.5 x 150 mm (6.3" x 3.8" x 5.9")	
	Weight (G.W.)	2.5kg	
OS Support		Linux	
Advantech S/W Packages		1. ALBPCU 2. Server Monitoring 5. Quick Start Linux Image	
Certification	EMC/Safety	CE, FCC, CB, UL, CCC	

## Dimensions

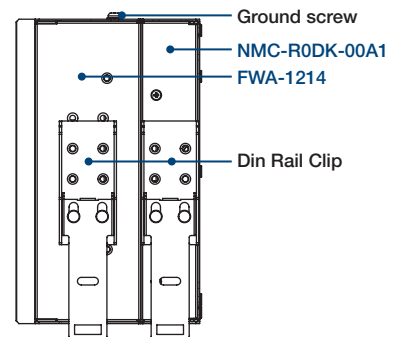
Unit: mm



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



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



## Ordering Information

Part Number	Processor	DDR5 slot	Storage slot	LAN Port		USB3.0	Console	HDMI	PSU	
				1G RJ45	Bypass					1G SFP
TBD	x7433RE	1	2	4	1	0	1	1	1	Option
TBD	x7835RE	1	2	4	1	2	1	2	1	Option

## Packing List

Part Number	Description
1700020691-01	M CABLE D-SUB 9P(F)/RJ45 220cm
1652001524	TERMINAL BLOCK 6P 5.00mm Female 90D

## Accessories

Part Number	Description
96PSA-A60W24T2-3	60W power adaptor
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
98910TPM020	TPM 2.0 module
NMC-R0DK-00A1	RF carrier
NMC-R014T-12A1	LTE RF module kit