

FWA-2320

1U Rackmount Network Appliance with Intel® Atom™ Processor C2000 for vE-CPE and Network Applications



Features

- Supports Intel® Atom™ C2000 System On Chip up to 8 cores Processor
- 2x 1GbE RJ45 implemented by Intel® i210 for management
- 4x 1GbE RJ45 by Marvell with 2 segment advanced LAN bypass support
- Multiple storage options depends on system performance requirement
- Tested and Certified by key software vendors for universal vE-CPE and SD-WAN roll-out

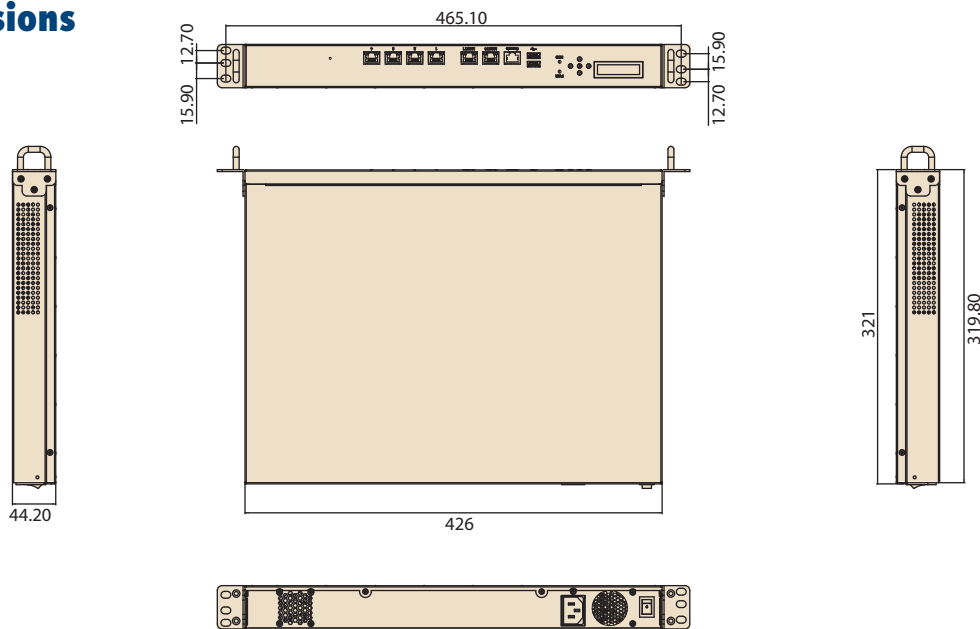


Specifications

		FWA-2320-00E	FWA-2320-01E	FWA-2320-02E
Form Factor		1U Rackmount		
Processor System	Processor	Intel® Atom™ C2358	Intel® Atom™ C2558	Intel® Atom™ C2758
	Core Number	2	4	8
	Frequency	1.7GHz	2.4GHz	2.4GHz
	L2 Cache	1MB	2MB	4MB
	BIOS	AMI EFI 64Mbit		
Virtualization		VT-x		
Memory	Technology	DDR3/DDR3L 1600MHz		
	Max. Capacity	16GB (8GB per socket)		
	Socket	2 x 240-pin UDIMM		
	ECC Support	ECC or Non-ECC		
Networking	Controller	4 x Marvell 88E1111 2 x Intel® i210		
	1GbE	4 x 1000/100/10BASE-T RJ45 with 2 segment advanced bypass support by Marvell 88E1111 2 x 1000/100/10BASE-T RJ45 for management by Intel® I210-AT		
	Advanced LAN Bypass	2 segment		
Storage	2.5" HDD/SSD	1 (by request)		
	3.5" HDD	1		
	mSATA SSD	1		
I/O	Console port	1		
	USB2.0	2 x USB2.0 Type A host port		
	LED Indicator	Power, HDD status		
	Others	1 x Power Switch		
TPM		TPM 1.2 support by Infineon SLB9635TT1.2		
LCD Module		16 x 2 graphic display, 5 buttons		
Power Supply	Power Type	AC		
	Watts	100W		
	Input	110 V - 240 V		
	Connector	AC 3-pin PSU		
Environment	Operating Temperature (air flow 0.7 m/sec)	0 ~ 40 °C (32 ~ 104 °F)		
	Non-operating Temperature	-20 ~ 80° C (-4 ~ 167° F)		
	Humidity	95% @ 40° C (non-condensing)		
	Vibration Resistance	with HDD: 0.5 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis with SSD: 0.3 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis		
Cooling	Shock Protection	with HDD/SSD: 10G, IEC-60068-2-27, half sine, 11ms duration		
Mechanical	Construction	Iron		
	Mounting	Rack-mount		
	Dimensions (W x H x D)	426 x 44 x 318mm (16.8" x 1.7" x 12.5")		
	Weight	4.5 Kg (9.9 lb)		
OS support		Linux (CentOS, Red Hat, Ubuntu)		
Advantech S/W Packages	QuickStart Linux Image (CentOS based reference BSP)	afu, Imsensors, flashrom, LCD4Linux, Advanced LBP Utility, DUI (Offline Diagnostics)		
	Individual Package	Advanced LBP Library, DUI (Offline Diagnostics)		
Certification		CE/FCC Class A, CCC, CB, UL		

Dimensions

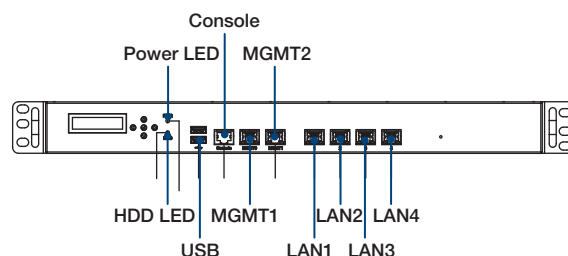
Unit: mm



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

Part number	CPU	L2 Cache	QuickAssist	DDR3	RJ45	3.5" HDD	mSATA	AC Input
FWA-2320-00E	Intel® Atom™ C2358 2Core, 1.7GHz	1MB	2Gbps	2	6	1	1	100W
FWA-2320-01E	Intel® Atom™ C2558 4Core, 2.4GHz	2MB	5Gbps	2	6	1	1	100W
FWA-2320-02E	Intel® Atom™ C2758 8Core, 2.4GHz	4MB	10Gbps	2	6	1	2	100W

Packing List

Part Number	Description
-	China RoHS letter
1700018950	Console cable
96PSA-A100W12V1-1	AC Adaptor, 12V 100W 0-40oC for Home and Office Use

Optional Accessories

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
1700025855-01	Power cord 3P 180 cm, India
1700025112-01	Power cord 3P 180 cm, Brazil
1700022938-01	Power cord 3P 300 cm, Korea
1700020098	Power cord 3P 180cm, Australia

Mouser Electronics

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