

FWA-1320

Tabletop Network Appliance with Intel® Atom™ Processor C2000 for vE-CPE and Network Applications



Features

- Supports Intel® Atom™ Processor C2000 System On Chip up to 4 cores
- 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

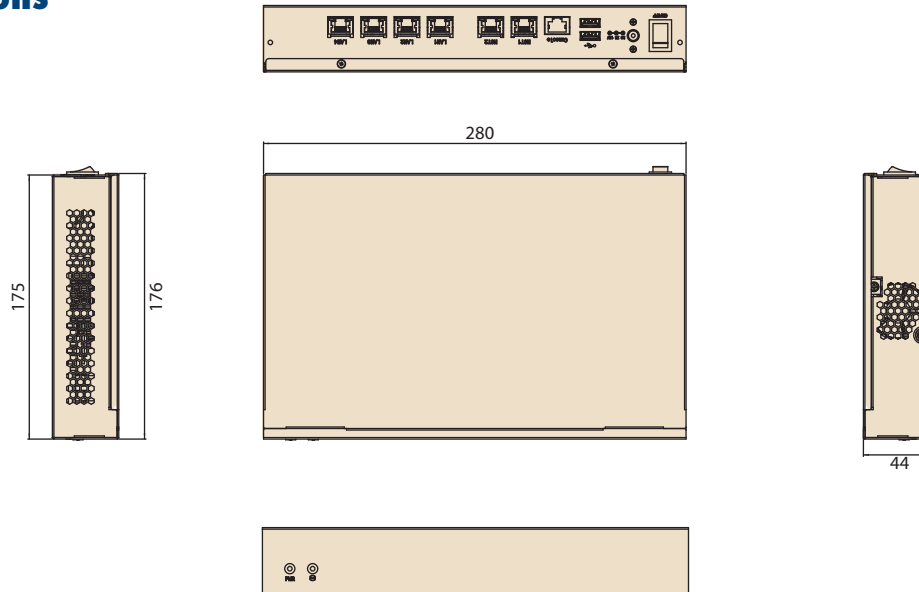


Specifications

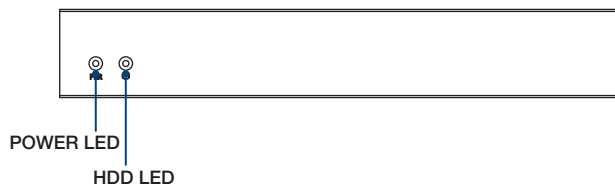
		FWA-1320-00E	FWA-1320-01E
Form Factor		Tabletop	
Processor System	Processor	Intel® Atom™ Processor C2358	Intel® Atom™ Processor C2558
	Core Number	2	4
	Frequency	1.7GHz	2.4GHz
	L2 Cache	1MB	2MB
	BIOS	AMI EFI 64Mbit	
Virtualization		VT-x	
Memory	Technology	DDR3/DDR3L 1600MHz	
	Max. Capacity	16GB (8GB 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 x 2.5" SATA3.0 Gen3 HDD/SSD bracket (Max 9.5mm height only)	
	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	
Power Supply	Power Type	DC	
	Watts	84W	
	Input	100 V ~ 240 V	
	Connector	DC Jack	
	Power Adaptor	12V 7A, 84W external adaptor	
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	
	Shock Protection	with HDD/SSD: 10G, IEC-60068-2-27, half sine, 11ms duration	
Cooling		1 x system FAN with smart FAN for maximum 37.5dB(A)	
Mechanical	Construction	Iron	
	Mounting	Desktop	
	Dimensions (W x H x D)	280 x 44 x 176mm (11" x 1.7" x 6.9")	
	Weight	2.0 Kg (3.3lb)	
OS support		Linux (CentOS, Red Hat, Ubuntu)	
Advantech S/W Packages	QuickStart Linux Image (CentOS based reference BSP)	afu, Imsensors, flashrom, Advanced LBP Utility, DUI (Offline Diagnostics)	
	Individual Package	Advanced LBP Library, DUI (Offline Diagnostics)	
Certification		CE/FCC Class A, CCC, CB, UL	

Dimensions

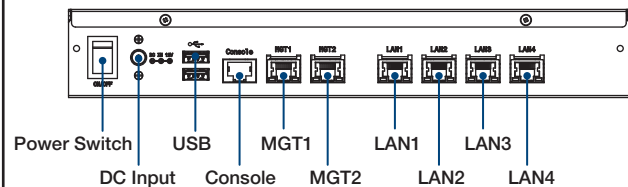
Unit: mm



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

Part number	CPU	DDR3	RJ45	2.5" SSD/HDD	mSATA	DC Input
FWA-1320-00E	Intel® Atom™ C2358 2Core, 1.7GHz	2	6	1	1	84W
FWA-1320-01E	Intel® Atom™ C2558 4Core, 2.4GHz	2	6	1	1	84W

Packing List

Part Number	Description
-	China RoHS letter
1700018950	Console cable
96PSA-A84W12V1-1	AC-to-DC Adaptor, DC 12V 84W 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