FWA-1013

Universal Network Appliance with Intel Atom® P5000/C5000 Processor for uCPE and SD-WAN

Features

- Compact size and scalable performance for mainstream small and medium branch deployment
- Powered by Intel Atom® P5000/C5000 processor technology, scalable from 4-core, 8-core then up to 16-core environment for multi-core NFVi network applicaton
- Multiple Ethernet interface 10GbE/2.5GbE/1GbE
- Upgradable with Advantech Network Mezzanine Modules for additional network interface, PoE or 5G/4G LTE wireless connectivity
- Remote system management via Advantech IPMI with Redfish support including remote FW upgrade and system FW back-up
- Option for dual power adapter for power failover support

Specifications

Form Factor		Tabletop		
Processor System	Processor	Intel Atom® Processor C5315	Intel Atom® Processor C5325	Intel Atom® Processor P5342
	Core Count	4	8	16
	Base Frequency	2.4 GHz	2.4 GHz	2.2 GHz
	Chipset	N/A		
	BIOS	AMI UEFI		
Virtualization		Intel® VT-x, VT-d, SR-IOV, VMDQ		
Memory	Technology	DDR4		
	Max. Capacity	64 GB		
	Socket	2 x 288-pin DIMM		
	ECC Support	ECC UDIMM, ECC RDIMM		
Networking	Controller	2 x Intel i226-LM 1 x Intel C827 integrated controller	2 x Intel i226-LM 1 x Intel i350-AM4 1 x Intel C827 integrated controller	2 x Intel i226-LM 1 x Intel i350-AM4 1 x Intel C827 integrated controller
	1GbE	4 x 1GbE RJ45	8 x 1GbE RJ45	8 x 1GbE RJ45
	2.5GbE	2 x 2.5GbE RJ45	2 x 2.5GbE RJ45	2 x 2.5GbE RJ45
	10GbE	4 x 10GbE SFP+	4 x 10GbE SFP+	4 x 10GbE SFP+
	LAN Bypass	Two pair of LAN bypass (Optional)		
Expansion Slot	NMC	1		
	M.2 (Except SSD)	1 x M.2 E-key for WiFi module (Optional)		
IPMI		IPMI 2.0 and Redfish compliant 1 x dedicated 1GbE LAN for IPMI port		
Storage	M.2 (SSD)	2 x M.2 M-key slots for 2280 SATA SSD (SATA 3.0)		
	eMMC	Up to 64 GB eMMC (Optional)		
I/O	Console	1 x RJ45 type console		
	USB	2 x USB 2.0 ports		
	LED Indicator	1 x SW-defined LED (Amber/Green) 1 x Altert LED by IPMI (Amber) 1 x ID LED by IPMI (Blue)		
	Video	1 x VGA port		
	Button	1 x Power button with LED indication (Green) 1 x SW-defined button		
	Others	1 x RJ45 type console		
TPM		Support by TPM 2.0 module		
Power Supply	Power Type	External power adapter (Optional for dual adapters)		
	Watts	120 W		
	Input	100-240 V ~ 2.5A 50-60 Hz		
	Connector	IEC320 C6 type		
Environment	Operating Temperature	0~40 °C (32~104 °F)		
	Non-operating Temperature	-40 ~ 70 °C (-40 ~ 158 °F), 60 °C@95% non-condensing humidity		
	Vibration Resistance (Operation)	5-500 Hz, 0.3 Grms, 3 axes, 1 hr/per axis		
	Shock Protection (Operation)	10 G, 11 ms		
Cooling		2 x System fans with smart fan feature		
Mechanical	Construction	Steel		
	Mounting	Optional rackmount kit		
	Dimensions (W x H x D)	339.6 x 43.7 x 241.1 mm (13.3"x 1.7" x 9.5")		
	Weight	3.5 kg (7.7 lb)		
OS Support		Linux OS Only UEFI FW and UEFI aware Linux OS		
Advantech S/W Pakhages		ALBPCU APOECU ipmitool Server iManager (Linux base) ▪ Health Guard ▪ Diagnostic Framework ▪ Network device identifier (NDI)		
Certification	EMC/Safety	CE, FCC, CB, UL, CCC		

All product specifications are subject to change without notice.

Last updated: 6-Jun-2022