

FWA-3220

1U Rackmount Network Appliance based on the Intel® Platform for Communications Infrastructure

NEW



Features

- Supports Intel® Xeon® E3-1125C/ E3-1105C, Core™ i3-2115C/ Pentium®-B915C/ Celeron®-725C embedded processors with integrated Intel® QuickAssist hardware acceleration
- Supports four DDR3 Un-buffered non-ECC/ECC 1066/1333 MHz DIMMs up to 32 GB
- Six 10/100/1000Base-T Ethernet ports and optional extension via one Advantech Network Mezzanine Card (NMC) slot



Introduction

The FWA-3220 is the latest addition to Advantech's portfolio of networking platforms based on the Intel® Platform for Communications Infrastructure, providing full scalability from this 1U appliance to high-end ATCA based systems. The FWA-3220 can scale from entry-level performance using Intel® Celeron® and Pentium® processors to the mid-range segment using Intel® Xeon® E3 series processors, offering an outstanding price/performance ratio with each SKU. In addition to supporting the latest Sandy Bridge microarchitecture enhancements for increased CPU performance, virtualization support and I/O throughput, the Intel® Communications Chipset DH8903 adds hardware acceleration for Intel® QuickAssist technology and 4 integrated Gigabit Ethernet ports. Network Equipment Providers who use the Intel® Data Plane Developers Kit (Intel® DPDK) and Intel® QuickAssist technology will be able to leverage the full range of platform enhancements for packet processing, encryption and decryption as well as data and file compression/decompression. The platform also supports optional LAN bypass based on Advantech's advanced bypass technology.

For I/O expandability, one standard PCIe full-height, half-length slot with rear access allows the integration of off-the-shelf PCIe adapters and one Advantech Network Mezzanine Card (NMC) slot offers further flexibility for additional front-panel network ports.

Featuring an onboard server BMC in accordance with IPMI 2.0, the FWA-3220 supports state-of-the-art remote and lights-out management for increased reliability, serviceability and improved total cost of ownership.

System features include an LCM, 2 Gigabit Ethernet management ports, 4 Gigabit Ethernet ports, one RJ45 console and 2 USB ports as well as two internally mounted 2.5" HDDs/SDDs.

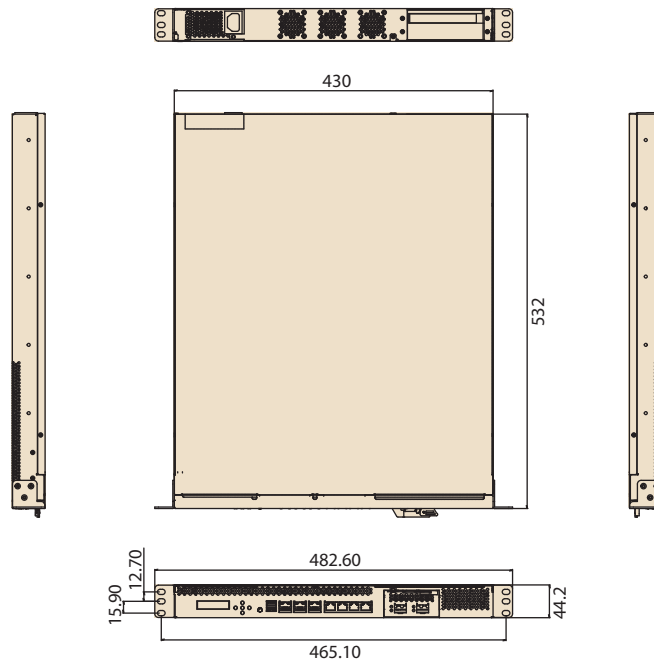
Please contact your Advantech representative to learn more about our full range portfolio based on the Intel® Platform for Communications Infrastructure and Advantech's unique customization options including (but not limited to) branding, alternative power supplies and other system configuration options.

Specifications





Processor System	CPU	Intel® Xeon® E3-1125C, Xeon® E3-1105C Core™ i3-2115C, Pentium®-B915C, Celeron®-725C	
	L2 Cache	8 MB/6 MB/3 MB /1.5 MB	
Chipset	PCH	Intel® DH8903 (other SKUs on request)	
Memory	Technology	Dual channel DDR3 1066/1333 MHz non-ECC/ECC UDIMMs (2DPC)	
	Capacity	Up to 32 GB	
PCI-Express	Expansion Slots	1 x PCI-Express Gen 2 x4 full-height, half-length Expansion Slot (rear access)	
	LAN on Board	2 x 10/100/1000 Base-T Ethernet ports for management (2 x i210) 4 x 10/100/1000 Base-T Ethernet ports with 2 segment LAN bypass for traffic	
Ethernet	NMC	1x NMC module with PCIe x8 Gen 2 interfaces Maximum 8 GbE ports or 2 x 10GE ports. Please refer to the "Related Products" section for a list of currently available NMCs	
	Mass Storage	SATA	2 x 2.5" SATA HDD or SSD
Management Ports & Peripherals	USB	2 x USB 2.0 Type A connectors	
	Serial	1 x RS-232 Console port (RJ-45 connector)	
	LCD Module	1 x graphic LCM module, 5 buttons	
	Management	AST 2300 BMC with support for IPMI 2.0 LOM	
	TPM	Yes	
Power Supply	Watts	250 W	
	Input	100 V ~ 240 V @ 50 ~ 60 Hz, full range	
Environment	Temperature	Operating 0 ~ 40° C (32 ~ 104° F)	Non-Operating -20 ~ 75° C (-4 ~ 167° F)
	Humidity	5 ~ 85% @ 40° C (104° F)	5 ~ 95%
	Physical Characteristics	Dimensions (W x H x D)	430 x 42 x 532 mm (17.2" x 1.76" x 21.28")
	Weight	10 kg (22 lb)	

Dimensions

Unit: mm



Related Products

P/N	NMC-0108-10E	NMC-0107-10E	NMC-0803-10E	NMC-1004-10E
				
Description	4-port GbE card	4-port GbE card	8-port GbE card	2-port 10 GbE card
LAN Controller	Intel I350-AM4 x1	Intel I350-AM4 x1	Intel I350-AM4 x2	1x Intel 82599
Ports	4x SFP	4x RJ45	8x RJ45	2x SFP+
Other		with LAN bypass		

