

FWA-3305

1U Rackmount Intel® Atom™ Processor-based Platform with 6 GbE LAN Ports



Features

- Supports Intel® Atom™ D510/D410 Processor
- Single-channel DDR2 667/800 SODIMM, up to 4 GB
- Four GbE LAN ports w/LAN bypass
- Two GbE LAN ports for Management
- One proprietary PCIe expansion connector onboard
- Supports one fixed 3.5" SATA HDD



Introduction

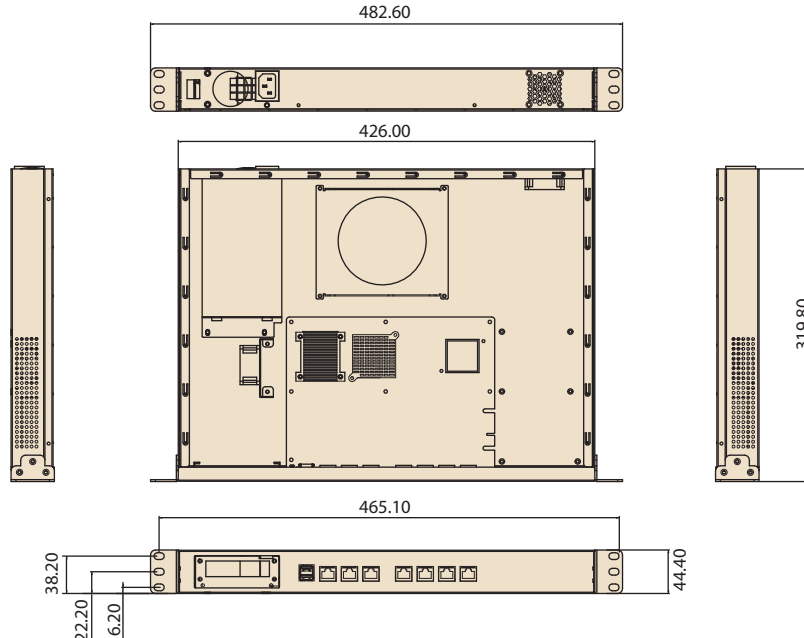
Conceived as a powerful but low power consumption rack-mount Internet security platform, the FWA-3305 series was specifically designed for mainstream IDS/IPS, Anti-virus, VPN gateway and Unified Threat Management (UTM) applications. The FWA-3305 adopts the latest Intel® Atom™ processor and Intel® 82801HBM I/O Controller Hub. This supports up to 4 GB of Single-channel DDR2 SDRAM on two DIMMs. The platform reserves space for one 3.5" SATA HDD and one CompactFlash slot for storing or upgrade OS and other network security applications. By leveraging PCI Express (PCIe) technology, the FWA-3305 takes full advantage of the ICH8M PCIe capability to maximize I/O throughput. The platform has five PCIe x1 lanes connected directly to the Intel® 82583V Ethernet controllers and one 82567V GbE PHY to offer 6 ports of Gigabit Ethernet at wire speed. For easy access, the front panel also has an RJ-45 console port and LCD Module for local system management, maintenance, and diagnostics. It is FCC, CE, UL, CCC and RoHS compliant.

Specifications

Processor System	CPU (45 nm)	Intel Atom D510	Intel Atom D410
	Max. Speed	1.66 GHz (Dual Core)	1.66 GHz (Single Core)
	L2 Cache	1 M	512 KB
	Chipset	ICH8M	
	BIOS	AMI 16 Mbit SPI	
Memory	Technology	Single-channel DDR2 667/800 SODIMM	
	Capacity	Up to 4 GB	
Expansion	PCI Express (PCIe)	1 proprietary internal PCIe x1 connector for LAN expansion board (optional)	
	Mini PCIe	Optional	
Ethernet	Gigabit Ethernet	1 x 82567V GbE, 1 x 82583V GbE 4 10/100/1000 Mbps PCIe GbE ports	
	GbE Controller	4 x Intel 82583V	
	LAN Bypass	2 segment on GbE ports	
Storage	SATA	SATA connector x 3 on separate SATA channels Max. data transfer rate 300 MB/s Supports 3.5" SATA HDD x 1	
	CompactFlash Socket	1 CF socket on IDE 0 (Primary/Master)	
Peripheral	USB	2 (USB 2.0)	
	Serial	1 (RJ45)	
	LCD Module	1	
	K/B, Mouse, LPT, CRT, COM	Pin Headers	
Power	Watts	100 W	
	Input	90 ~ 240 V _{AC} , auto range	
Environment		Operating	Non-Operating
	Temperature	0 ~ 40° C (32 ~ 104° F)	-20 ~ 75° C (-4 ~ 167° F)
	Humidity	5 ~ 85 % @ 40° C (104° F)	5 ~ 95 %
Physical Characteristics	Dimensions (W x H x D)	426 x 44 x 320 mm (16.7" x 1.7" x 12.6")	
	Weight	4.5 kg (9.9 lb)	

Dimensions

Unit: mm



Ordering Information

Part Number	Processor	LAN	Bypass	Power Supply
FWA-3305-00A1E	D410	6	1 pair	100 W
FWA-3305-01A1E	D510	6	2 pairs	100 W

Packing List

Part Number	Description
1700000298	VGA port cable (for system installation use)
1700018155	PS/2 Keyboard/Mouse Cable 20 cm
1700009572	SATA Data Cable 20 cm
1700002463	Console Cable RJ45 220 cm

Accessories

Part Number	Description
1702002600	3P 180 cm, USA
1702002605	3P 180 cm, Europe
1702031801	3P 180 cm, UK
1700000237	3P 180 cm, JP

