FWA-3305U

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

Features

- Supports Intel® Atom™ D525/D425 Processor
- Support 2x DDR3 800 SODIMM, up to 4 GB
- Four GbE LAN ports w/LAN bypass
- Two GbE LAN ports for Management
- Optional 4port RJ45/SFP card support by proprietary PCIe expansion
- 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. The FWA-3305 supports up to 4 GB of DDR3 SDRAM on two SODIMMs. The platform reserves space for one 3.5" SATA HDD and one CompactFlash slot for storing or upgrade OS and network security applications. The FWA-3305 takes full advantage of the ICH8M PCIe capability to maximize I/O throughput by leveraging PCI Express (PCIe) technology. 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.

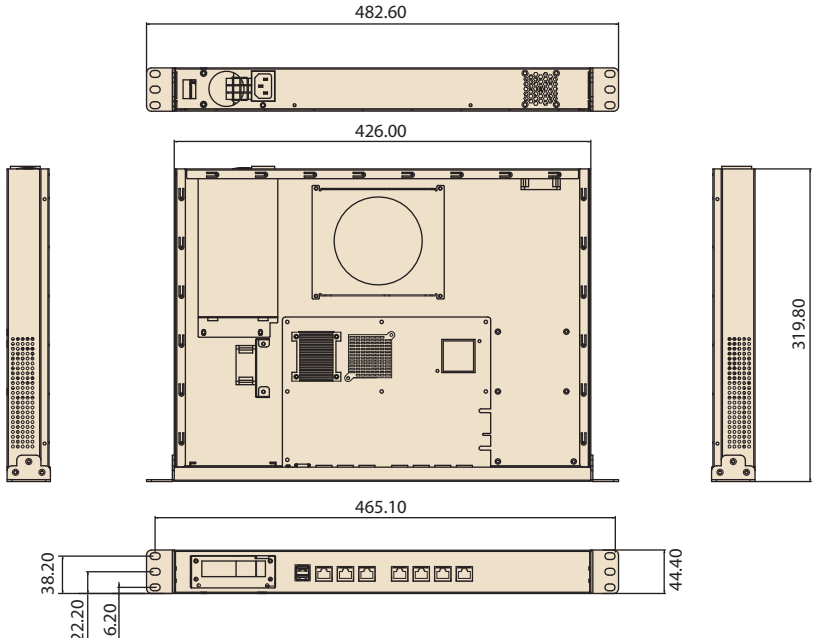
Specifications

Processor System	CPU (45 nm)	Intel Atom D525	Intel Atom D425
	Max. Speed	1.8GHz (Dual core)	1.8 GHz (Single core)
	L2 Cache	1 M	512 KB
	Chipset	ICH8M	
	BIOS	AMI 16 Mbit SPI	
Memory	Technology	DDR3 800 SODIMM	
	Capacity	Up to 4 G	
Expansion	PCI Express (PCIe)	1 proprietary internal PCIe x1 connector for LAN expansion board (optional)	
	Mini PCIe	Optional	
	PCI	PCI 32-bit/33 MHZ PCI Slot	
Ethernet	Gigabit Ethernet	6 10/100/1000 Mbps PCIe GbE ports	
	GbE Controller	5 x Intel 82583V	1 x 82567V GbE PHY
	LAN Bypass	2 segments	
Storage	SATA	Support 1 x 3.5" SATA HDD Max. data transfer rate at 300 MB/s	
	CompactFlash Socket	1 x CF socket on IDE 0 (Primary/Master)	
Peripheral	USB	2 (USB 2.0)	
	Serial	1 (RJ45 type)	
	LCD Module	1	
	K/B, Mouse, LPT, CRT, COM	Pin Headers	
Power	Watt	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)	

All product specifications are subject to change without notice
Last updated : 25-Oct-2011

Dimensions

Unit: mm (inch)



Ordering Information

Part Number	Processor	LAN	Power Supply
FWA-305U-00A1E	D525	6	100W

Accessories

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

Packing List

Part Number	Description
1700000298	VGA port cable (for system installation use)
1700018155	PS/2 Keyboard/Mouse Cable 20CM
1703092000	Console cable D-sub 9-pin 2 m
1700009572	SATA Data Cable 20CM