FWA-1305

Tabletop Intel® Atom™ Processor-based Platform with 6 GbE LAN Ports

Features

- Supports Intel® Atom™ D510/D410 Processor
- Single channel DDR2 667 SODIMM, up to 2 GB
- Two GbE LAN ports for Management
- Supports one fixed 2.5" SATA HDD

Introduction

Conceived as a powerful but low power consumption Internet security platform, the FWA-1305 series was specifically designed for mainstream IDS/IPS, Anti-virus, VPN gateway and Unified Threat Management (UTM) applications. The FWA-1305 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 2.5" SATA HDD and one CompactFlash slot for storing or upgrade OS and other network security applications. 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. Moreover, the FWA-1305 is designed with the smart fan cooling for the low noise environment requirement. It is FCC, CE, UL, CCC and RoHS compliant.

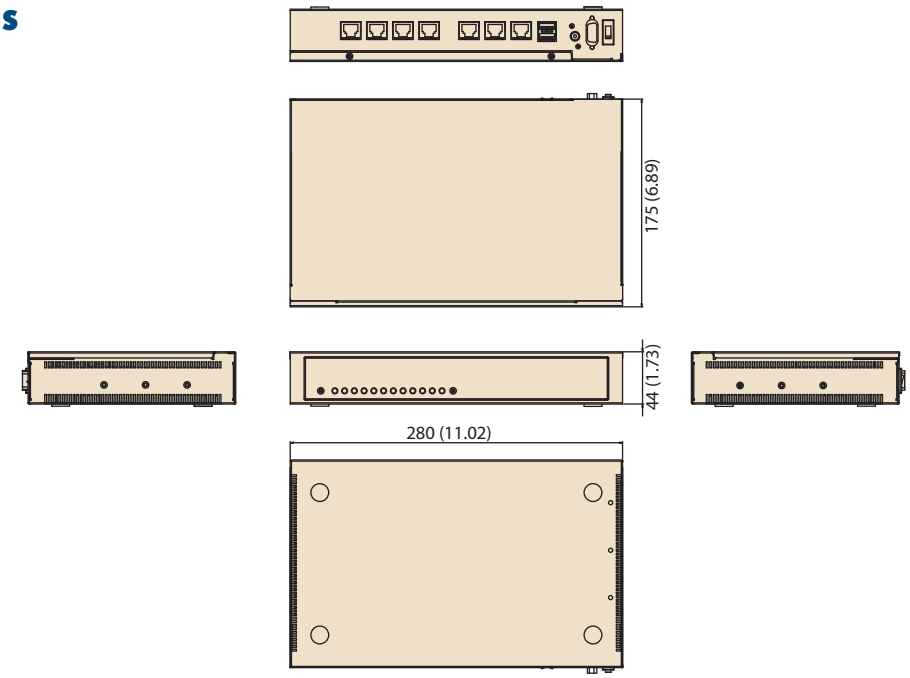
Specifications

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 SODIMM	
	Capacity	Up to 2 G	
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	
Storage	SATA	SATA connector x 3 on separate SATA channels Max. data transfer rate 300 MB/s Support 2.5" SATA HDD x 1	
	CompactFlash Socket	1 CF socket on IDE 0 (Primary/Master)	
Peripherals	USB	2 (USB 2.0)	
	Serial	1 (RJ45)	
	K/B, Mouse, LPT, CRT, COM	Pin Headers	
Power	Watts	60 W	
	Input	100 ~ 240 V_{AC}, auto range	
Environment		Operating	Non-Operating
	Temperature	0 ~ 35° C (32 ~ 95° F)	-20 ~ 75° C (-4 ~ 167° F)
	Humidity	5 ~ 85 % @ 40° C (104° F)	5 ~ 95 %
Physical Characteristics	Dimensions (W x H x D)	280 x 44 x 175 mm (11.02" x 1.73" x 6.89")	
	Weight	1.5 kg (3.5lb)	

All product specifications are subject to change without notice
Last updated : 8-Mar-2013

Dimensions

Unit: mm (inch)

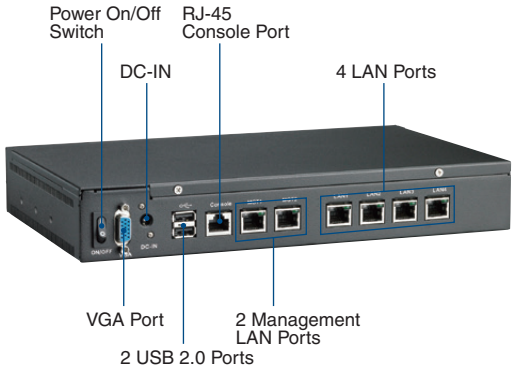


Ordering Information

Part Number	Processor	LAN	Power Supply
FWA-1305-04A1E	D410	6	12V/5A, 60W
FWA-1305-03A1E	D510	6	12V/5A, 60W

Packing List

Part Number	Description
1700018155	PS/2 Keyboard/Mouse Cable 20CM
1700002463	Console cable RJ-45 220CM
1700009572	SATA Data Cable 20CM
1700017929	SATA Power Cable 20CM

Accessories

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