FWA-3700/3710

1U Rackmount Intel® Pentium® M Processor-based Platform with 4 PCIe LAN Ports

Features

- Supports Intel® Pentium® M or Celeron® M Processor
- Dual-channel DDR2 400/533 SODIMM, up to 2 GB
- Four 10/100/1000 Mbps LAN ports
- One proprietary PCIe expansion connector onboard
- Supports one fixed 3.5" IDE or SATA HDD
- One 10/100 Mbps LAN port for management

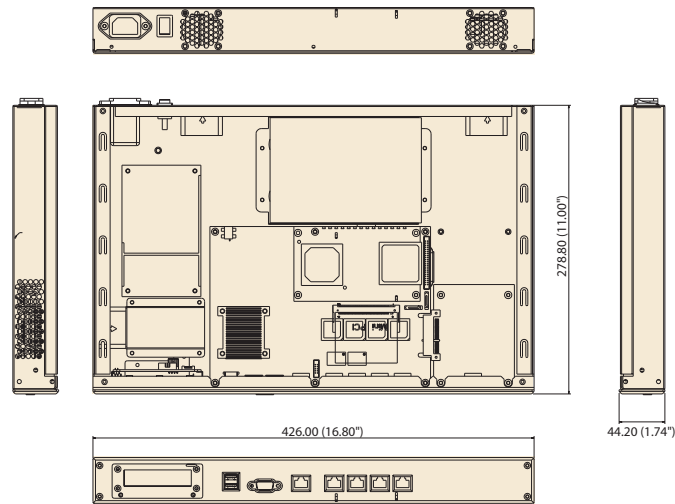RoHS COMPLIANT 2002/95/EC   CCC   c ⒰ us   CE   FCC

Introduction

Conceived as a powerful but low power consumption rack-mount Internet security platform, the FWA-3700 series was specifically designed for mainstream IDS/IPS, Anti-virus, VPN gateway and Unified Threat Management (UTM) applications. Using the latest Intel Pentium M processor combined with the Mobile Intel 915GM Express chipset and Intel's ICH6M I/O Controller Hub, the FWA-3700 series provides unprecedented performance, connectivity and throughput without compromising on system thermal design. It supports up to 2 GB of DDR2 system memory at 400 or 533 MHz on dual-channel SODIMM banks. By leveraging PCI Express technology, the platforms maximize I/O throughput by taking full advantage of the ICH6-M's PCI Express (PCIe) capability. Four PCIe lanes connect directly to the Ethernet controllers to provide bi-directional 2 Gb/s peak bandwidth for Gigabit Ethernet support at wire speed. The system supports one optional 3.5" IDE or SATA HDD, and CompactFlash for OS and Internet security applications. The front panel has a 9-pin RS-232 serial port and one 10/100 managed LAN port, with an LCD module for local system management, maintenance and diagnostics. It is FCC, CE, CCC, and UL compliant.

Specifications

Processor System	CPU	Intel Pentium M / Celeron M processor	
	Max. Speed	2.0 GHz/1.5 GHz	
	Chipset	Intel 915GM + ICH6M	
	Front Side Bus	533/400 MHz	
	BIOS	Award™ 4 Mbit Flash	
Memory	Technology	Dual-channel DDR2 533/400 SODIMM	
	Capacity	Up to 2 GB with 2 slots	
Expansion	Onboard Expansion Slots	1 proprietary internal PCIe x4 connector 1 32-bit/33 MHz Mini PCI Slot	
Ethernet	Fast Ethernet	1 10/100 Intel 82562 FE port for management	
	Gigabit Ethernet	4 10/100/1000 Mbps PCIe GbE ports	
	GbE Controller	FWA-3700 4 x Marvell 8053	FWA-3710 4 x Intel 82573
	LAN Bypass	2 segment on GbE ports	
Storage	Controller	Supports 3.5" HDD x 1 on IDE 0, or SATA HDD x 1 - ATA100 connector x 1 on IDE 0 (Secondary) - Max. data transfer rate 100 MB/s - Supports 3.5" ATA HDD	
	SATA	SATA interface - SATA connector x 1 on separate SATA channels - Max. data transfer rate 150 MB/s - Support 3.5" SATA HDD	
	CompactFlash Socket	1 CF socket on IDE 0 (Primary/Master)	
Peripheral	USB	2 (USB 2.0)	
	Serial	1 (RS-232)	
	LCD Module	1	
	K/B, Mouse, LPT, CRT, COM	Pin Headers	

Dimensions

278.80 (11.00")

426.00 (16.80")

44.20 (1.74")

Unit: mm (inch)

Specifications Cont.

Power	Watt	180 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 280 mm (16.7" x 1.7" x 11")	
	Weight	4.5 kg (9.9 lb)	

Ordering Information

Part Number	Processor	LAN	Power Supply	Ethernet Controller
FWA-3700E	-	5	180 W	4 x Marvell 8053
FWA-3710E	-	5	180 W	4 x Intel 82573

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
1701160101	VGA port cable (for system installation use)
1703080160	PS/2 Y cable mini-DIN 16 cm
1703092000	Console cable D-sub 9-pin 2 m

LCD display module (16 characters, 2 lines)
Two USB 2.0 ports
Four LAN ports
Power LED
HDD LED
RS-232 console port
Management LAN port

One 15-CFM cooling fans
3.5" HDD bay
Power supply