FWA-3700/3710 M Processor-based Platform with 4 PCIe LAN Ports/Mini PCI Expansion Slot

1U Rackmount Intel® Pentium® M Processor-based Platform



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

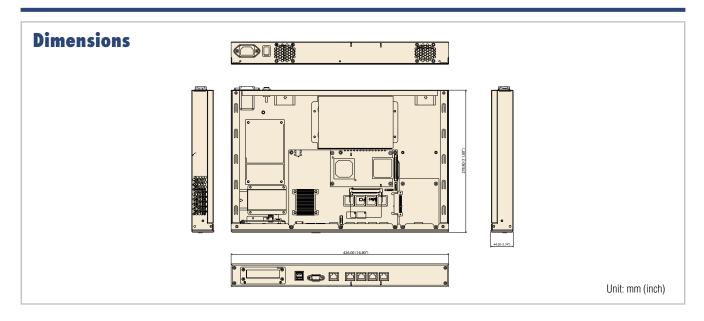
Introduction

Conceived as a powerful but low power consumption rack-mount Internet security platform, the FWA-3700 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 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 533MHz on dual-channel SODIMM banks. By leveraging PCI Express technology, the FWA-3700 maximizes 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 Compact Flash 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

CPU Intel Pentium M / Celeron M processor Max. Speed 2.0 GH2/15 GHz Max. Speed 2.0 GH2/15 GHz Front Side Bus 533/400 MHz BIOS Award™ 4 Mbit Flash Memory Technology Dual channel DDR2 533/400 SDDIMM Capacity Up to 2 GB with 2 slots				
Processor System 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	Processor System	CPU	Intel Pentium M / Celeron M processor	
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 PCle x4 connector 1 32-bit/33 MHz Mini PCl Slot Fast Ethernet 1 10/100 Intel 82562 FE port for management Internet Gigabit Ethernet 1 10/100/1000 Mbps PCle GbE ports FWA-3710 Ethernet 4 Narvell 8053 4 x Intel 82573 GbE Controller 4 x Marvell 8053 4 x Intel 82573 LAN Bypass 2 segment on GbE ports FWA-3710 Storage Supports 3.5" HDD x 1 on IDE 0, or SATA HDD x 1 -ATA100 connector x 1 on IDE 0 (Secondary) - ATA100 connector x 1 on IDE 0 (Secondary) -Support 3.5" ATA HDD -SATA connector x 1 on IDE 0 (Secondary) - SATA connector x 1 on separate SATA channels -Support 3.5" SATA HDD -SATA connector x 1 on separate SATA channels - SATA - SATA connector x 1 on separate SATA channels -Support 3.5" SATA HDD -Max. data transfer rate 150 MB/s - Support 3.5" SATA HDD -SUPORT 3.5" SATA HDD -SATA connector x 1 on separate SATA channels -Support 3.5" SATA HDD - Kata data transfer ra		Max. Speed	2.0 GHz/1.5 GHz	
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Ethernet 4 10/100/1000 Mbps PCle GbE ports FWA-3700 FWA-3710 Gib Controller 4 x Marvell 8053 4 x Intel 82573 LAN Bypass 2 segment on GbE ports 4 x Intel 82573 Controller 4 x Marvell 8053 4 x Intel 82573 Marvell 8053 5 upports 3.5" HDD x 1 on IDE 0, or SATA HDD x 1 - ATA100 connector x 1 on IDE 0, or SATA HDD x 1 Max. data transfer rate 100 MB/s - Support 3.5" ATA HDD - ATA100 connector x 1 on IDE 0 (Secondary) - Max. data transfer rate 100 MB/s - Support 3.5" ATA HDD - Support 3.5" ATA HDD Storage SATA - SATA connector x 1 on separate SATA channels - Support 3.5" SATA HDD - Max. data transfer rate 150 MB/s - Support 3.5" SATA HDD - Max. data transfer rate 150 MB/s - Support 3.5" SATA HDD - Support 3.5" SATA HDD - Max. data transfer rate 150 MB/s - Support 3.5" SATA HDD - Support 3.5" SATA HDD - CompactFlash Socket 1 CF socket on IDE 0 (Primary/Master) - Support 3.5" SATA HDD - Support 3.5" SATA HDD	EXPANSION	Unboard Expansion Slots	1 32-bit/33 MHz Mini PCI Slot	
Ethernet FWA-3700 FWA-3710 GbE Controller 4 x Marvell 8053 4 x Intel 82573 LAN Bypass 2 segment on GbE ports		Fast Ethernet	1 10/100 Intel 82562 FE port for management	
GbE Controller 4 x Marvell 8053 4 x Intel 82573 LAN Bypass 2 segment on GbE ports 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 - Support 3.5" ATA HDD SATA SATA At interface - Max. data transfer rate 150 MB/s - Support 3.5" SATA HDD - Max. data transfer rate 150 MB/s - Support 3.5" SATA HDD CompactFlash Socket 1 CF socket on IDE 0 (Primary/Master)		Gigabit Ethernet	4 10/100/1000 Mbps PCIe GbE ports	
LAN Bypass 2 segment on GbE ports 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 - Support 3.5" ATA HDD Storage SATA SATA - 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)	Ethernet		FWA-3700	FWA-3710
Storage Supports 3.5" HDD x 1 on IDE 0, or SATA HDD x 1 Storage - ATA100 connector x 1 on IDE 0 (Secondary) - Max. data transfer rate 100 MB/s - Support 3.5" ATA HDD SATA - 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)		GbE Controller	4 x Marvell 8053	4 x Intel 82573
Storage - ATA 100 connector x 1 on IDE 0 (Secondary) - Max. data transfer rate 100 MB/s - Support 3.5" ATA HDD SATA SATA - 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)		LAN Bypass	2 segment on GbE ports	
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SATA - Max. data transfer rate 150 MB/s - Support 3.5" SATA HDD CompactFlash Socket 1 CF socket on IDE 0 (Primary/Master)		SATA	SATA interface	
- Max. data transfer rate 150 MB/s - Support 3.5" SATA HDD CompactFlash Socket 1 CF socket on IDE 0 (Primary/Master)			- SATA connector x 1 on separate SATA channels	
CompactFlash Socket 1 CF socket on IDE 0 (Primary/Master)			- Max. data transfer rate 150 MB/s	
			- Support 3.5" SATA HDD	
USB 2 (USB 2.0)		CompactFlash Socket	1 CF socket on IDE 0 (Primary/Master)	
	Peripheral	USB	2 (USB 2.0)	
Perinheral 1 (RS-232)		Serial	1 (RS-232)	
LCD Module 1		LCD Module	1	
K/B, Mouse, LPT, CRT, COM Pin Headers		K/B, Mouse, LPT, CRT, COM	Pin Headers	

FWA-3700

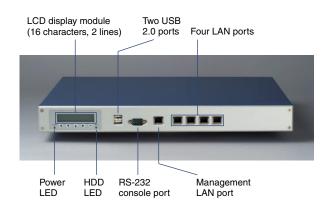


Specifications Cont.

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



Packing List

Part Number	Description
1701160101	VGA port cable (for system installation use)
1703080160	PS/2 Y cable mini-DIN 16 cm

