

# FWA-700/710

## Tabletop 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 MINI PCI Slot
- Supports one fixed 2.5" IDE HDD
- One 10/100 Mbps LAN port for management



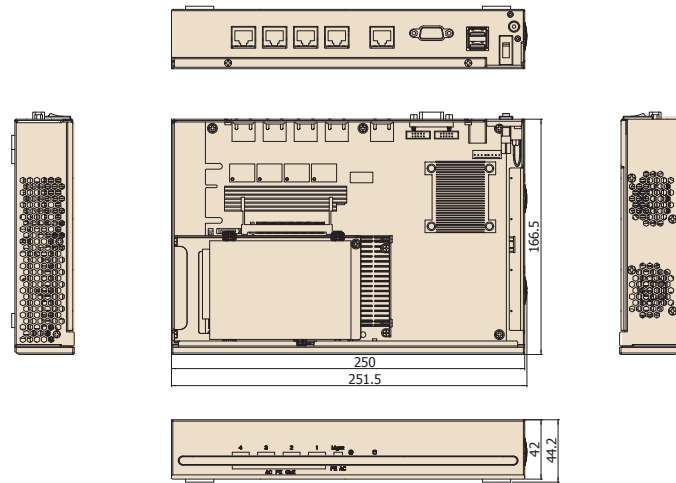
### Introduction

Conceived as an exceptional but low power consuming tabletop Internet security platform, the FWA-700 series was specifically designed for SMBs/SOHOs that require a single device to combine functions such as IDS/IPS, anti-virus, VPN gateway and Unified Threat Management (UTM) in to a multi-functional gateway. Using the latest Intel Pentium M processor combined with the Mobile Intel 915GM Express chipset and Intel ICH6M I/O Controller Hub, the FWA-700 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 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 2.5" IDE HDD, and one CompactFlash device for OS and Internet security applications. The rear I/O panel has a 9-pin RS-232 serial port and one 10/100 managed LAN port. It is FCC, CE, UL, CCC, and RoHS compliant.

### Specifications

Processor System	CPU	Intel Pentium M/Celeron M processor	
	Max. Speed	2.0 GHz/1.5 GHz	
	Chipset	Intel 915 GM + ICH6-M	
	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 Slot	One 32-bit/33 MHz Mini PCI slot	
Ethernet	Fast Ethernet	One 10/100 Intel 82562 FE port for management	
	Gigabit Ethernet	Four 10/100/1000 Mbps GbE ports	
		FWA-700	FWA-710
	GbE Controller	4 x Marvell 8053	4 x Intel 82573
	LAN Bypass	Two segment on GbE ports	
Storage	Controller	Supports 2.5" HDD x 1 on IDE 0	
	IDE	ATA100 connector x 1 on IDE 0 (Secondary)	
		Max. data transfer rate 100 MB/s	
		Supports 2.5" ATA HDD	
	CompactFlash Socket	1 CF socket on IDE 0 (Primary/Master)	
Peripheral	USB	2 USB 2.0	
	Serial	1 RS-232	
	K/B, Mouse, LPT, CRT, COM	Pin headers	
Power	Watt	65 W	
	Input	100 ~ 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	Dimensions (W x H x D)	252 x 44 x 167 mm (9.9" x 1.7" x 6.6")	
	Weight	1.2 kg (2.6 lb)	

## Dimensions



Unit: mm (inch)

## Ordering Information

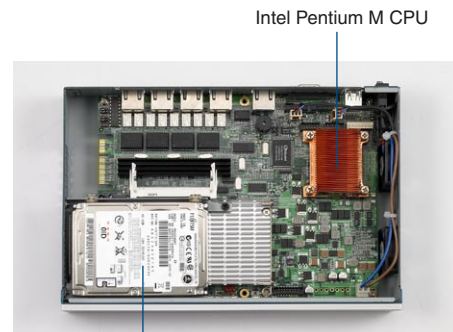
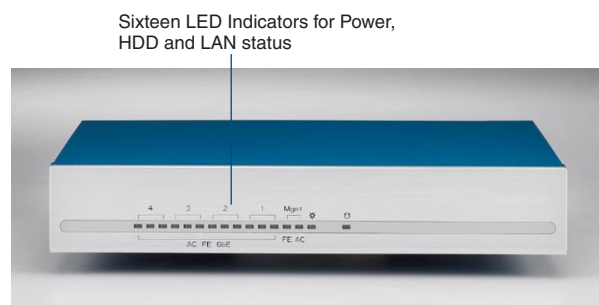
Part Number	Processor	LAN	AC Adapter	Ethernet Controller
FWA-700E	-	5	65 W	4 x Marvell 8053
FWA-710E	-	5	65 W	4 x Intel 82573

## Packing List

Part Number	Description
1701160101	VGA port cable (for system installation use)
1703080160	PS/2 Y cable mini-DIN 16 cm
1703092000	Console cable d-sub 9-pin 2 m
1701440054	Flat cable 44 pin, 2.0 mm pitch connectors 5 cm

## Accessories

Part Number	Description
1700001947	2P 180 cm, USA
1700001948	2P 180 cm, Europe
1700001949	2P 180 cm, UK
1700002141	2P 180 cm, JP



2.5" IDE HDD  
Removable cover allows easy maintenance and software upgrade

