FWA-3240

1U Rackmount Intel Tolapai-based Platform with 4 Front LAN Ports & LCD Display



Features

- 1U Rackmount Network Application Platform
- Intel EP80579 Integrated Processor (Tolapai) solution
- One internal proprietary PCIe x4 expansion slot
- Single channel DDR2 SODIMM support up to 2 GB
- 4 x 10/100/1000 Mbps GbE LAN ports
- Console port for local setting

RoHS CE FCC

Introduction

The FWA-3240 incorporates Intel's Tolapai System-on-Chip which combines Intel's QuickAssist Technology and integrates an Intel Pentium M class core, memory controller and I/O controller. The high-performance CPU core supplies the horse power needed to perform deep packet inspection and other complex operations and is particularly optimized for entry to mid-range network security appliances.

Security applications can run existing x86 software applications because of backward code compatible with earlier Intel processors. Most network security platforms already run on Intel x86 processors and can run existing software applications on Tolapai because it is backward compatible with earlier Intel processors. Typical appliance workloads which require IP-SEC encryption, acceleration and compression of content can offload processing on to the QuickAssist Integrated Accelerator which increases the effective data throughput and performance and reduces the overall power consumption of a given application.

The FWA-3240 features a low-power design, and supports up to 2 GB DDR2 on one single-channel SO-DIMM. It provides a total of four GbE LANs, three of which are from the Tolapai on-chip MACs (Intel 82574-derived) and the fourth from a PCIe-based Intel 82574 Ethernet controller.

The on-chip MACs are routed to 3 Marvell PHY devices.

The system supports one 2.5" SATA HDD and CompactFlash for OS and/or Internet security applications. The front panel provides a RS-232 serial port with RJ-45 socket, 2 USB ports and a LCD Module for local system management, maintenance and diagnostics. The system is fully FCC, CE and RoHS compliant.

Specifications

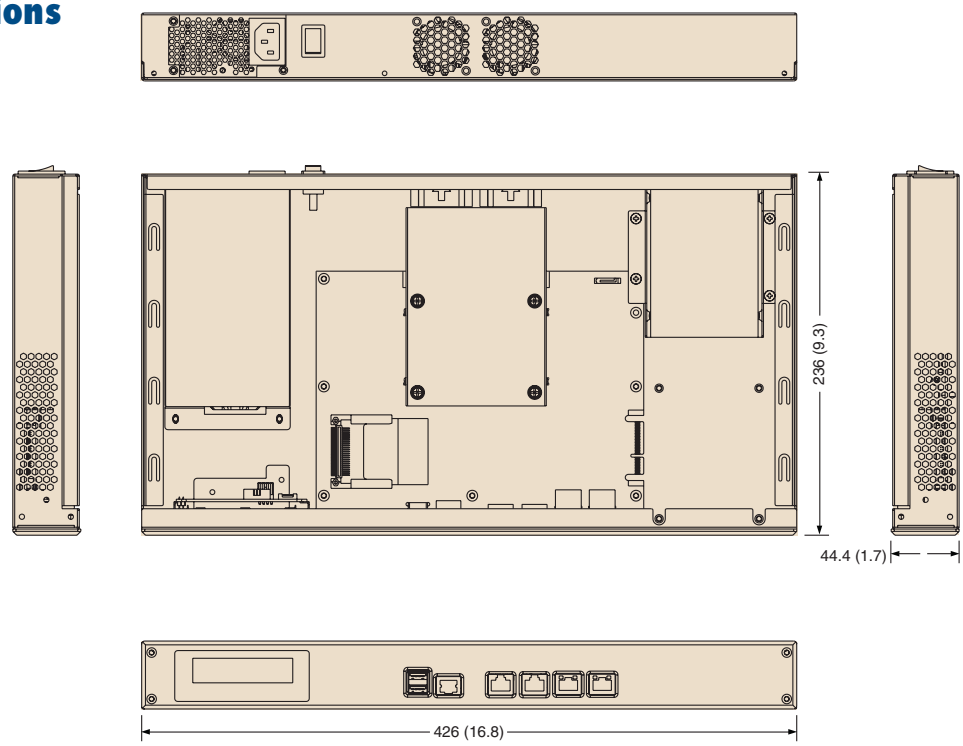
Processor System	CPU & Chipset	Intel EP80579 Integrated Processor (Tolapai) supports 600/1066/1200 MHz processor	
	Max. Speed	1.2 GHz	
	Front Side Bus	400/533 MHz	
	BIOS	Award™ 4 Mbit Flash	
Memory	Technology	Single channel DDR2 800/667/533/400 MHz SODIMM	
	Capacity	Up to 2 GB with 1 slot	
Expansion	Onboard Expansion slots	One proprietary internal PCIe x4 connector	
Ethernet	Interface	4 x 10/100/1000Base-T	
	Controller	Three GbE from Intel EP80579 Integrated Processor + Marvell 88E1111 PHY One GbE from Intel 82574, with bypass function	
Storage	SATA	1 x 2.5" or 3.5" HDD bay Max. data transfer rate at 150 MB/sec	
	Controller	JMicron (SATA to IDE bridge)	
	Compact Flash Socket	1 x CF socket on IDE 0 (Primary)	
Peripheral	USB	2 x USB 2.0	
	Serial	1 x RS-232 with RJ-45 connector	
	LCD Module	16 characters, 2 lines, 5 buttons	
	Pin headers	K/B, Mouse, LPT, COM	
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	Dimensions (W x H x D)	426 x 44 x 236 mm (16.8" x 1.7" x 9.3")	
	Weight	4.2 kg (9.3 lb)	

All product specifications are subject to change without notice

Last updated : 26-Dec-2008

Dimensions

Unit: mm (inch)



Ordering Information

Part number	Processor	LAN
FWA-3240E600E	600 M/Embedded	4
FWA-3240A600E	600 M/Acceleration	4
FWA-3240E12E	1.2 G/Embedded	4
FWA-3240A12E	1.2 G/Acceleration	4
FWA-3240E10E	1.0 G/Embedded	4
FWA-3240A10E	1.0 G/Acceleration	4

Accessories

P/N	Description
1702002600	3P 180 cm, USA
1702002605	3P 180 cm, Europe
1702031801	3P 180 cm, UK
1700000237	3P 180 cm, JP

Packing List

P/N	Description
1700002270	Console cable RJ45 to D-Sub 9PIN 1.8 M

