

# FWA-3240

## 1U Network Security Appliance with the Intel® x86 Integrated SOC Processor

NEW



### Features

- 1U Rackmount Network Application Platform
- Intel EP80579 Integrated Processor 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

### Introduction

The FWA-3240 incorporates Intel's first Integrated x86 System-on-Chip (SOC) 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 the EP80579 Integrated Processor 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 EP80579 Integrated Processor on-chip MACs (Intel 82574-derived) and the fourth from a PCIe-based Intel 82574 Ethernet controller.

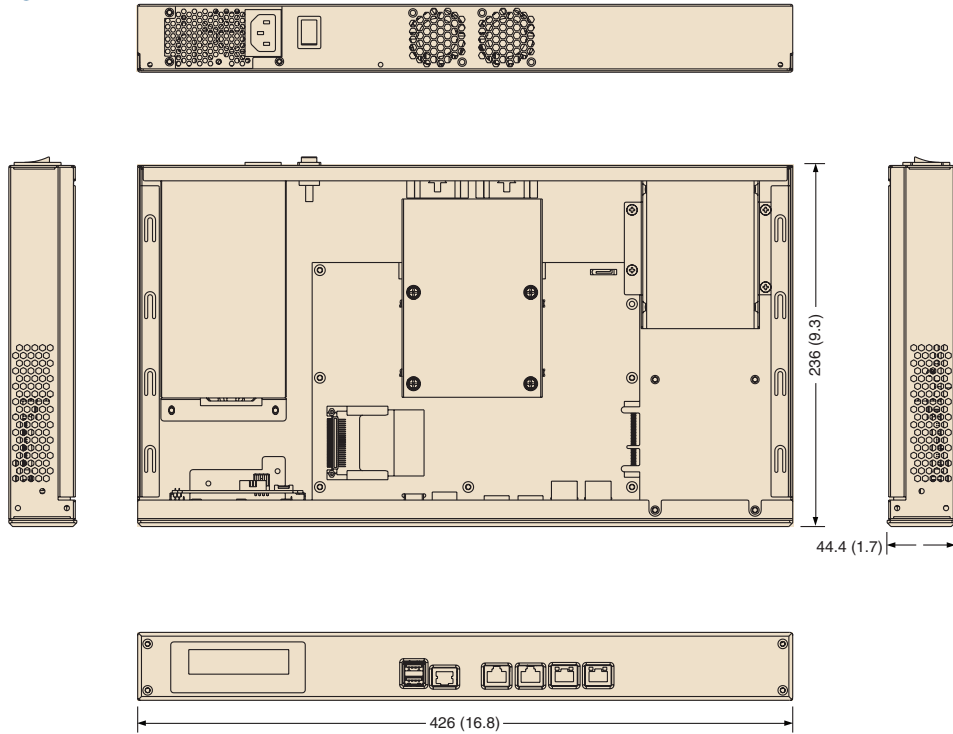
The on-chip MACs are routed to 3 Marvell PHY devices.

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 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<br>One GbE from Intel 82574, with bypass function |  |
| Storage          | SATA                    | 1 x 2.5" HDD bay<br>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      | Temperature             | Operating<br>0 ~ 40° C (32 ~ 104° F)  | Non-Operating<br>-20 ~ 75° C (-4 ~ 167° F) |
|                  | Humidity                | 5 ~ 85 % @ 40° C (104° F)<br>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)   |  |

## Dimensions



Unit: mm (inch)

## Block Diagram

