ADVANTECH

FWA-1305 Tabletop Intel® Atom™ Processor based Network Security Platform with 6 Rear LAN Ports
Startup Manual

Packing List

Before you begin installing your card, please make sure that the following items have been shipped:

1. One FWA-1305 Internet Security Platform
2. One box of accessories
3. One warranty certificate

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

Note 1: Acrobat Reader is required to view any PDF file.Acrobat Reader can be downloaded at: www.adobe.com/Products/acrobat/readstep2. html (Acrobat is a trademark of Adobe).

Safety Instructions

1. Do not leave this equipment in an environment unconditioned where the storage temperature under 0° C (32° F) or above 35° C (95° F), it may damage the equipment.

2. The openings on the enclosure are for air convention; thus, to protect the equipment from overheating, DO NOT COVER THE OPENING.

3. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.

4. Place the power cord in a way that people can not step on it. Do not place anything over the power cord. The voltage and current rating of the cord should be greater than the voltage and current rating marked on the product.

Specifications

Standard PC Functions

- **CPU & Chipset:** Intel ATOM D510 or D410 processor and Intel ICH8M chipset
- **BIOS:** Award™ 4 Mbit Flash
- **System memory:** Up to 2 GB memory capacity by one un-buffered SO-DIMMs
- **CF interface:** 1 x CF socket on IDE 0 (Primary)
- **SATA interface:** 1 x 2.5" SATA HDD bay Max. data transfer rate at 150 MB/sec
- **Keyboard/mouse pin header:** Supports standard PS/2 keyboard and mouse for debug and installation use
- **USB 2.0:** 2 x USB 2.0
- **Serial:** 1 x RS-232 with RJ-45 type connector

Ethernet interface

- **Interface:** 6 x 10/100/1000 Base-T
- **Controller:** Support 5 x Intel 82583V single port GbE controllers and 1x Intel 82567V GbE PHY

Mechanical and Enviromental

- **Dimensions(W x H x D):** 427 x 44 x 436 mm (16.8" x 1.7" x 17.1")
- **Power supply voltage:** 60 W power adapter, 100 ~ 240 V, 1.5 A, 50 ~ 60 Hz
- **Operating temperature:** 0 ~ 35° C (32 ~ 95° F)
- **Weight:** 3 kg

For more information on this and other Advantech products, please visit our website at:

http://www.advantech.com

http://www.advantech.com/eplatform

For technical support and service, please visit our support website at:

http://support.advantech.com

This manual is for the FWA-1305 Series.

Jumpers and Connectors

The board has a number of jumpers that allow you to configure your system to suit your application.
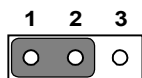The table below lists the function of each of the jumpers and connectors.
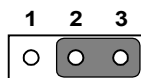
Jumpers and connectors

Connector/Jumper List	
Label	**Function**
CMOS1	Clear CMOS
LAN1 ~ LAN6	RJ45 GE LAN Connector

CMOS1: CMOS Clear Function	
Pins	**Result**
1-2	Keep CMOS data*
2-3	Clear CMOS data
*: Default	

Keep CMOS data*   Clear CMOS data

LAN1 ~ LAN6: R45 GE LAN Connector	
LED Status	
GbE Link	Green (Left top LED)
FE Link	Amber (Left top LED)
Action Link	Green/Blink (Right top LED)

Software Installation

Software tested list:
1. Linux Debian 2.6.18 kernel
2. Linux Redhat 5.0

Notice

Note1: This device complies with the requirements in Part 15 of the FCC rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note2: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer, discard used batteries according to the manufacturer's instructions.

Note3: Before using the optical fiber for transfer data, make sure had connected with approved optical transceiver module.

Note4: Never pour any liquid into ventilation openings. This could cause fire or electrical damage.

Note5: Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges.

Note6: Always ground yourself to remove any static change before touching the motherboard, backplane or add-on cards. Modern electronic devices are very sensitive to static electric charges. Aa a safety precaution, use a grounding wrist strap at all times. Place all electronic components on a static-dissipative surface or in a static-shielding bad when they are not in the chassis,

CMOS1

LAN1 LAN2   LAN3 LAN4 LAN5 LAN6