

#### **1U Rackmount Intel® Atom™ Processor-based Platform with 6 GbE LAN Ports**



#### **Features**

- Supports Intel® Atom™ D525/D425 Processor
- Support 2x DDR3 800 SODIMM, up to 4 GB
- Four GbE LAN ports w/LAN bypass
- Two GbE LAN ports for Management
- Optional 4port RJ45/SFP card support by proprietary PCle expansion
- Supports one fixed 3.5" SATA HDD







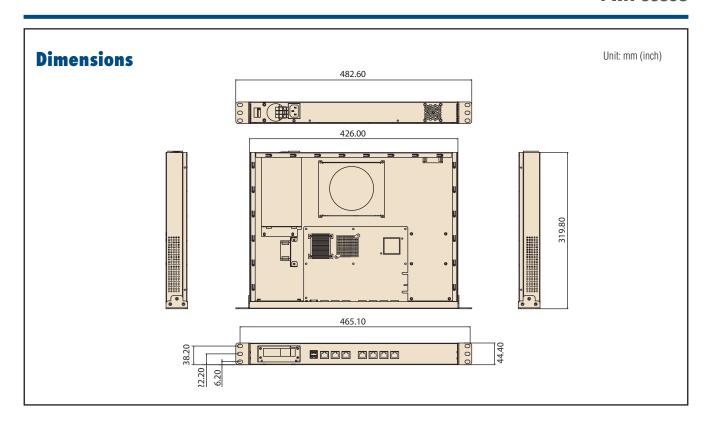


#### Introduction

Conceived as a powerful but low power consumption rack-mount Internet security platform, the FWA-3305 series was specifically designed for mainstream IDS/IPS, Anti-virus, VPN gateway and Unified Threat Management (UTM) applications. The FWA-3305 adopts the latest Intel Atom™ processor and Intel® 82801HBM I/O Controller Hub. The FWA-3305 supports up to 4 GB of DDR3 SDRAM on two SODIMMs. The platform reserves space for one 3.5" SATA HDD and one CompactFlash slot for storing or upgrade OS and network security applications. The FWA-3305 takes full advantage of the ICH8M PCIe capability to maximize I/O throughput by leveraging PCI Express (PCIe) technology. The platform has five PCle x1 lanes connected directly to the Intel 82583V Ethernet controllers and one 82567V Gbe PHY to offer 6 ports of Gigabit Ethernet at wire speed. For easy access, the front panel also has an RJ-45 console port and LCD Module for local system management, maintenance, and diagnostics. It is FCC, CE, UL, CCC and RoHS compliant.

### **Specifications**

Processor System				
Processor System         L2 Cache         1 M         512 KB           Chipset         ICH8M         ICH8M           BIOS         AMI 16 Mbit SPI           Memory         Technology         DDR3 800 SODIMM           Capacity         Up to 4 G           Expansion         Mini PCle         Optional           PCI         PCI 22-bit/33 MHZ PCI Stot           Ethernet         Gigabit Ethernet         6 10/100/1000 Mbps PCle GbE ports           Ethernet         GbE Controller         5 x Intel 82583V         1 x 82567V GbE PHY           LAN Bypass         2 segments           Storage         SATA         Support 1 x 3.5" SATA HDD           Max. data transfer rate at 300 MB/s         CompactFlash Socket         1 x CF socket on IDE 0 (Primary/Master)           Peripheral         USB         2 (USB 2.0)           Serial         1 (RJ45 type)           LCD Module         1           K/B, Mouse, LPT, CRT, COM         Pin Headers           Power         Watt         100 W           Input         90 ~ 240 V AC, auto range         Non-Operating           Input         9 ~ 40° C (32 ~ 104° F)         ~ 20 ~ 75° C (-4 ~ 167° F)           Humidity         5 ~ 85 % @ 40° C (104° F)         5 ~ 95 % <td></td> <td>CPU (45 nm)</td> <td>Intel Atom D525</td> <td>Intel Atom D425</td>		CPU (45 nm)	Intel Atom D525	Intel Atom D425
Chipset   BIOS   AMI 16 Mbit SPI	Processor System	Max. Speed	1.8GHz (Dual core)	1.8 GHz (Single core)
BIOS   AMI 16 Mbit SPI		L2 Cache	1 M	512 KB
Memory         Technology Capacity         DDR3 800 SODIMM Up to 4 G           Expansion         PCI Express (PCle)         1 proprietary internal PCle x1 connector for LAN expansion board (optional)           Expansion         Mini PCle PCI         Optional           PCI         PCI 32-bit/33 MHZ PCI Slot           Ethernet         Gigabit Ethernet GbE Controller 5 x Intel 82583V 1 x 82567V GbE PHY           LAN Bypass         2 segments           Storage         SATA         Support 1 x 3.5" SATA HDD Max. data transfer rate at 300 MB/s           CompactFlash Socket         1 x CF socket on IDE 0 (Primary/Master)           Peripheral         USB         2 (USB 2.0)           Feripheral         Valt         1 (RJ45 type)           LCD Module         1 (RJ45 type)           LCD Module         1 (RJ45 type)           Power         Watt         100 W           Input         90 ~ 240 V AC, auto range           Operating         Non-Operating           Environment         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 320 mm (16.7" x 1.7" x 12.6")		Chipset	ICH8M	
Capacity		BIOS	AMI 16 Mbit SPI	
Capacity	Momory	Technology	DDR3 800 SODIMM	
Expansion         Mini PCle PCI         Optional PCI 32-bit/33 MHZ PCI Slot           Ethernet         Gigabit Ethernet         6 10/100/1000 Mbps PCIe GbE ports           Ethernet         GbE Controller         5 x Intel 82583V         1 x 82567V GbE PHY           LAN Bypass         2 segments           Storage         SATA         Support 1 x 3.5° SATA HDD Max. data transfer rate at 300 MB/s           CompactFlash Socket         1 x CF socket on IDE 0 (Primary/Master)           USB         2 (USB 2.0)           Serial         1 (R,J45 type)           LCD Module         1           K/B, Mouse, LPT, CRT, COM         Pin Headers           Power         Watt         100 W           Input         90 ~ 240 V AC, auto range           Operating         Non-Operating           Environment         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 320 mm (16.7" x 1.7" x 12.6")	IVICITIOI y	Capacity	Up to 4 G	
PCI		PCI Express (PCIe)	1 proprietary internal PCIe x1 connector for LAN expan	nsion board (optional)
Gigabit Ethernet   G 10/100/1000 Mbps PCle GbE ports	Expansion	Mini PCle	Optional	
Ethernet         GbE Controller         5 x Intel 82583V         1 x 82567V GbE PHY           LAN Bypass         2 segments           Storage           SATA         Support 1 x 3.5" SATA HDD Max. data transfer rate at 300 MB/s           CompactFlash Socket         1 x CF socket on IDE 0 (Primary/Master)           USB         2 (USB 2.0)           Serial         1 (RJ45 type)           LCD Module         1           K/B, Mouse, LPT, CRT, COM         Pin Headers           Power           Watt         100 W           Input         90 ~ 240 V AC, auto range           Operating         Non-Operating           Environment         Temperature         0 ~ 40° C (32 ~ 104° F)         -20 ~ 75° C (-4 ~ 167° F)           Humidity         5 ~ 85 % @ 40° C (104° F)         5 ~ 95 %	·	PCI	PCI 32-bit/33 MHZ PCI Slot	
LAN Bypass   2 segments	Ethernet	Gigabit Ethernet	6 10/100/1000 Mbps PCIe GbE ports	
SATA         Support 1 x 3.5" SATA HDD Max. data transfer rate at 300 MB/s           CompactFlash Socket         1 x CF socket on IDE 0 (Primary/Master)           USB         2 (USB 2.0)           Serial         1 (RJ45 type)           LCD Module         1           K/B, Mouse, LPT, CRT, COM         Pin Headers           Watt         100 W           Input         90 ~ 240 V AC, auto range           Operating         Non-Operating           Environment         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 320 mm (16.7" x 1.7" x 12.6")		GbE Controller	5 x Intel 82583V	1 x 82567V GbE PHY
SATIA   Max. data transfer rate at 300 MB/s		LAN Bypass		
Max. data transfer rate at 300 MB/s		ΔΤΔ		
Peripheral   USB   2 (USB 2.0)	Storage			
Serial   1 (RJ45 type)		•		
CD Module		USB		
CDD Module   1	Perinheral		1 (RJ45 type)	
Power         Watt         100 W           Input         90 ~ 240 V AC, auto range           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 320 mm (16.7" x 1.7" x 12.6")	ι στιριτσται		1	
Input   90 ~ 240 V AC, auto range   Non-Operating   Non-Operating		K/B, Mouse, LPT, CRT, COM	Pin Headers	
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Environment         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 320 mm (16.7" x 1.7" x 12.6")	I OWGI	Input		
Humidity 5 ~ 85 % @ 40° C (104° F) 5 ~ 95 %  Physical Characteristics  Dimensions (W x H x D) 426 x 44 x 320 mm (16.7" x 1.7" x 12.6")	Environment		1 0	Non-Operating
Physical Characteristics Dimensions (W x H x D) 426 x 44 x 320 mm (16.7" x 1.7" x 12.6")		Temperature		-20 ~ 75° C (-4 ~ 167° F)
		Humidity	5 ~ 85 % @ 40° C (104° F)	5 ~ 95 %
Weight 4.5 kg (9.9 lb)	Physical Characteristics		,	
	T Try stoat Offaraotoffstios	Weight	4.5 kg (9.9 lb)	



# **Ordering Information**

Part Number	Processor	LAN	Power Supply
FWA-3305U-00A1E	D525	6	100W

### Accessories

Part Number	Description
1702002600	3P 180 cm, USA
1702002605	3P 180 cm, Europe
1702031801	3P 180 cm, UK
1700000237	3P 180 cm, JP

## **Packing List**

Part Number	Description
1700000298	VGA port cable (for system installation use)
1700018155	PS/2 Keyboard/Mouse Cable 20CM
1703092000	Console cable D-sub 9-pin 2 m
1700009572	SATA Data Cable 20CM