

# FWA-3050

## Remote Manageable 1U Network Appliance for uCPE and Next-generation Firewall with Intel® Xeon D-2100 Series Processor

**Preliminary**



### Features

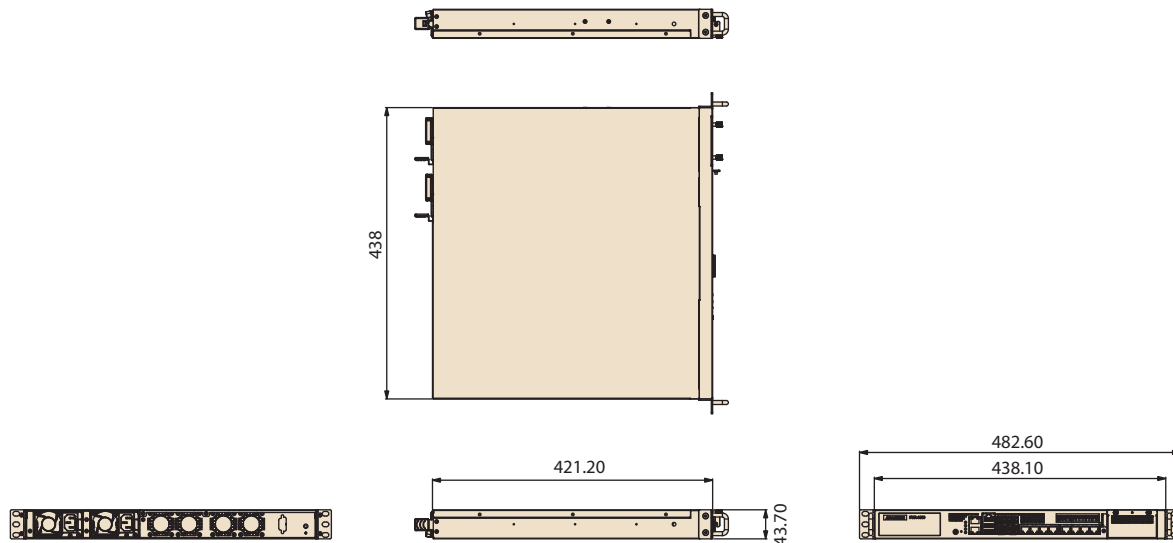
- Scalable Intel® Xeon D-2100 series processor up to 16C/32T with optional Intel® QAT and DPDK to boost performance
- Robust enclosure design with flexible system integration capability
- Value added platform with Advantech S/W package offering for out of band management or remote monitoring and Advanced LAN bypass utility
- Optimized foundation for the development of uCPE and NGFW solutions

### Specifications

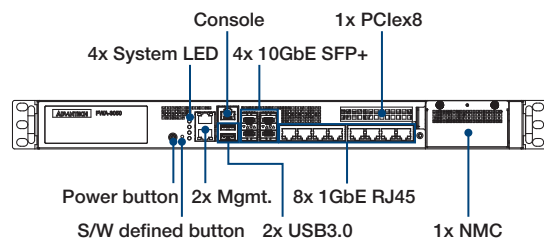
System P/N		FWA-3050-4CA1S	FWA-3050-8CA1R	FWA-3050-16A1R
Form Factor		1U Rackmount		
Processor System	Processor	Intel® Xeon D-2123IT	Intel® Xeon D-2145NT	Intel® Xeon D-2187NT
	Core Count	4C/8T	8C/16T	16C/32T
	Frequency	2.2GHz	1.9GHz	2.0GHz
	L2 Cache	8MB	11MB	22MB
	BIOS	AMI Efi 64Mbit		
Virtualization		VT-x, VT-d, EPT		
Memory	Technology	DDR4, 2133/2400/2666MHz		
	Max.Capacity	256GB		
	Socket	4 x 288-pin RDIMM		
	ECC Support	Yes		
Networking	Controller	1 x Intel X722, 2 x Intel i350, 2 x Intel i210		
	1GbE	4 x 10/100/1000 Mbps RJ45 via Intel i350-AM4, 4 x 10/100/1000 Mbps RJ45 via Intel i350-AM4 (Option: Advanced LAN bypass), 2 x 10/100/1000Mbps RJ45 via Intel i210-AT for management		
	10GbE	2 x 10GbE SFP+ via Intel X722	4 x 10GbE SFP+ via Intel X722	
	LAN bypass	None (Option: 2-segment/4 x ports Advanced LAN bypass)		
Expansion	PCIe	None	1 x PCIe x8 (Low-profile)	
	NMC	None	1	
Storage	2.5" HDD/SSD	2 (Internal)		
	M.2 SSD/NVMe	2 x M.2 2280		
I/O	Console port	1		
	USB3.0	2		
	LED Indicator	1 x Power LED, 3 x Software-defined LED	1 x Power LED, 1 x Alert LED, 1 x Locate LED, 1 x Software-defined LED	
	Others	1 x Power button, 1 x Software-defined button		
	TPM	None (Option: Infineon TPM1.2/2.0 module)		TPM1.2 module
LCD Module		None (Option: 21 columns x 4 lines text display)		
Power	Power Type	Single ATX	Redundant 1+1 AC	
	Watts	250W	300W	
	Input	100V ~ 240V		
	Connector	ATX power		
Environment	Operating Temperature (air flow 0.7 m/sec)	0 ~ 40 °C (32 ~ 104 °F)		
	Non-operating Temperature	-20 ~ 80 °C (-4 ~ 167 °F) and 40 °C @ 95% RH Non-Condensing		
	Vibration Resistance	TBD		
	Shock Protection	TBD		
Cooling		Fixed 2 x system FANs		Fixed 4 x system FANs
Mechanical	Construction	Steel		
	Mounting	1U Rackmount		
	Dimensions (W x H x D)	438 x 44 x 420 mm (17.2" x 1.7" x 16.5")		
	Weight	TBD		
OS Support		Linux (CentOS, Fedora, Red Hat, Ubuntu)		
Advantech S/W Packages		TBD		
IPMI		-	IPMI v2.0 compliant, with web interface, iKVM on request (Advantech IPMI Core)	
Certification		TRD		

## Dimensions

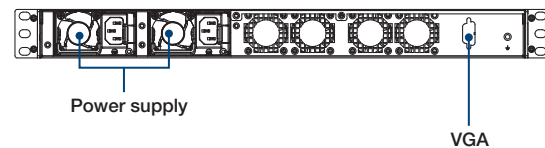
Unit: mm



### Front Panel External I/O Mechanical Layout/Drawing



### Rear Panel External I/O Mechanical Layout/Drawing



## Ordering Information

Part No.	CPU	Core/ Thread	Base frequency	QAT	DDR4	BMC	10GbE SFP+	1GbE RJ45	PCIex8	NMC	VGA	System FAN	Power Supply	Redundancy
-	Intel® Xeon® D-2123IT	4/8	2.2GHz	None	4	None	2	8	1	1	None	2	250W ATX	None
-	Intel® Xeon® D-2145NT	8/16	1.9GHz	20G	4	Yes	4	8	1	1	1	2	300W AC	Yes
-	Intel® Xeon D-2187NT	16/32	2.0GHZ	100G	4	Yes	4	8	1	1	1	4	300W AC	Yes

## Packing List

Part Number	Description
-	FWA-3050 barebone
TBD	SATA cable

## Optional Accessories

Part Number	Description
1702002600	Power cord 3P 180cm, USA
1702002605	Power cord 3P 180cm, Europe
1702031801	Power cord 3P 180cm, UK
1700000237	Power cord 3P 180cm, JP
1700009652	Power cord 3P 180cm, China
1700020691-01	Console cable D-SUB9P(F)/RJ45 220cm
9680016959	Slide rail