

# FWA-6520

## 1U Rackmount Network Appliance with Intel® Xeon® Processor E5-2600 v3/v4 series, up to 4 NMC slots



### Features

- 2 x Intel® Xeon® E5-2600 v3/v4 processors up to 145W TDP
- DDR4 1866/2133 ECC registered memory up to 512GB
- PCIe gen. 3 support
- Up to 8 x NMC (Network Mezzanine Card) slots for a wide range of GbE, 10GbE and 40GbE NMCs with or without advanced LAN bypass
- 2 x PCIe x16 slots support FH/HL add-on cards
- 2 x 2.5" removable external SATA HDDs/SSDs
- IPMI 2.0 compliant Remote Management
- Advanced Platform Reliability and Serviceability

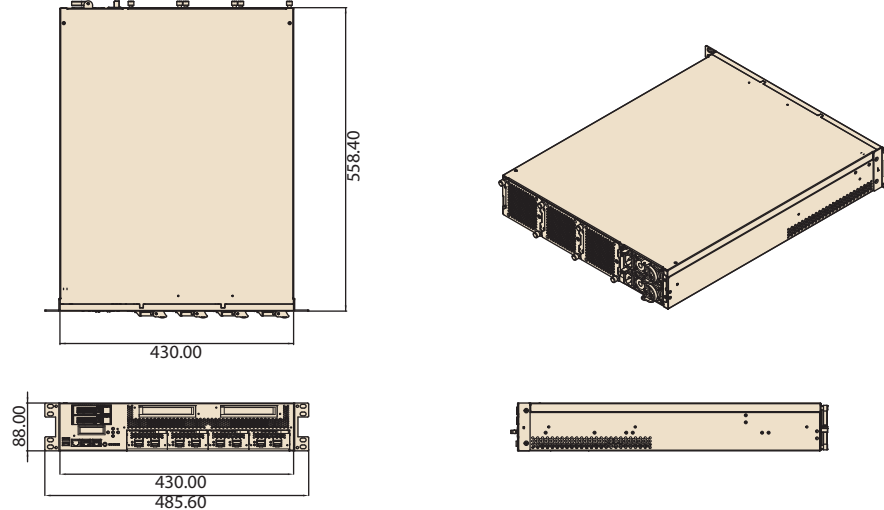


### Specifications

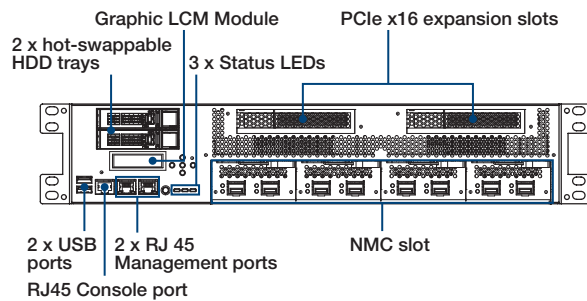
Form Factor		2U - Rack Mount	
Processor System	Processor	2 x Intel® Xeon® E5-2600 v3 / v4 Socket R3	
	Core Number	8C/10C/12C/14C/16C/18C/20C/22C	
	Frequency	2.0GHz/2.1GHz/2.2GHz/2.3GHz/2.4GHz/2.6GHz	
	L2 Cache	30MB ~ 55 MB	
	Chipset	C612	
	BIOS	AMI Efi 64Mbit	
Virtualization		VT-x	
Memory	Technology	DDR4, 2133/2400MHz	
	Max. Capacity	256GB (CPU0x8,CPU1x8)	
	Socket	16 x 288-pin RDIMM	
	ECC Support	Yes	
Networking	Controller	1 x Intel® I210	
	1GbE	2 x 10/100/1000 Mbps RJ45 via Intel® I210 chip	
	LAN bypass	Advanced	LBP support by NMC
		Legacy	-
Expansion	PCIe x 16	2 x FH/HL	
	NMC	4/6/8 NMCs	
Storage	2.5" HDD/SSD	Max. 2 x 2.5" HDD/SSD	
	mSATA SSD	2 x mSATA	
I/O	Console port	1	
	USB3.0	2	
	Others	1 x power button	
LCD Module		16x2 graphic display,5 buttons	
Power	Power Type	AC, redundant DC, redundant (optional)	
	Watts	820W	
	Input	100V ~ 240V	
	Connector	AC 3pin plug	
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 humidity	
	Vibration Resistance	with SSD: 0.3 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis	
	Shock Protection	with SSD: 10G, IEC-60068-2-27, half sine, 11ms duration	
Cooling		3x system FAN with smart FAN	
Mechanical	Construction	Iron	
	Mounting	2U Rackmount	
	Dimensions (W x H x D)	430 x 88x 558 mm (16.9" x 3.4" x 22")	
	Weight	20 KG	
OS Support		Linux (CentOS, Red Hat, Ubuntu)	
Advantech S/W Packages		- QuickStart Linux Image (CentOS based reference BSP) including	
		▪ ipmitool	
		▪ LCD4Linux ▪ Advanced LBP Utility	
		Individual packages: - Advanced LBP Library	
IPMI		IPMI v2.0 compliant BMC with web interface (AMI MegaRAC SP-X)	
Certification		CE/FCC/CB/UL/CCC	

## Dimensions

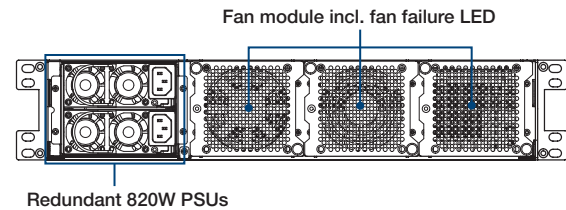
Unit: mm



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



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



## Ordering Information

Part No.	CPU	DDR4	PCIe slot	NMC slot	USB 3.0	RJ45 LAN Port	Console port	LCM	PSU
FWA-6520-01E	Dual Intel® Xeon® E5-2600 v3 / v4 processors support, up to 145W TDP	16	2	4	2	2	1	1	820W AC PSU
FWA-6520-03E	Dual Intel® Xeon® E5-2600 v3 / v4 processors support, up to 145W TDP	16	N/A	8	2	2	1	1	820W AC PSU

DC SKU will be supported by MOQ base

## Packing List

Part Number	Description
1700020691-01	Console cable D-SUB9P(F)/RJ45 220 cm

## 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
9680006904	Slide rail