

4U WITH 18 NODES HIGH DENSITY SERVER PLATFORM



FM65-B5531

B5531F65X18-160PV2R
B5531F65X18-160PV2R-HE



■ Front View

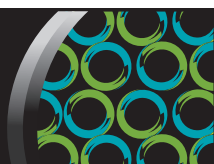


■ Back View



High Density Single-Socket Xeon Server Platform for CDN/Web access/Web hosting/Low-end web server applications

- Per-blade single LGA1150 socket supports Intel® Xeon® (1)E3-1200/ E5-1200L v3 series processors
- Per-blade single LGA1150 socket supports Intel® Xeon® (1) E3-12x5 v3 series (-HE SKU) series processors
- Per-blade Intel® C222 PCH/ C226 PCH (-HE SKU)
- Per-blade (4) DIMM slots
Support up to 32GB U-DDR3 VLP ECC 1600/1333/1066
- Per-blade (2) 2.5" fixed HDD
- Per-blade (2) GbE (via Intel® X540-AM2)
- Per-blade Onboard BMC w/ IPMI and iKVM support
- Per-blade Onboard BMC w/ IPMI support only(-HE SKU)
- (2+1) RPSU 80-PLUS Platinum 1,600 Watts



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Specifications

Top View



System	Form Factor	4U Rackmount	
	Chassis Name	FM65	
	Dimension (H x W x D)	25.6" x 17.32" x 6.93" (651.2 x 440 x 176.3mm)	
	Motherboard	S5531GM2NR S5531GP2NR-HE (-HE SKU)	
	Gross Weight	55 kg	
Front Panel (Per-blade)	Buttons	(1) PWR	
	LEDs	(1) PWR / (1) ID/ (1) HDD	
	I/O Ports	(2) USB ports / (1) D-Sub 15 pin port / (1) RJ45 LAN	
External Drive Bay (Per-blade)	Type / Q'ty	2.5" fixed / (2)	
	HDD backplane support Interface	height: 15mm / SATA-III 6.0Gb/s	
System Cooling Configuratio	FAN	(8) hot-swap 8cm fans	
	Power Supply	Type RPSU	
	Input Range	100-127V AC/8A 200-240V AC/ 4A	
	Efficiency	80-PLUS Platinum	
	Output Watts	1600 Watts	
	Redundancy	2+1	
Processor (Per-blade)	Supported CPU Series	Intel® Xeon® E3-1200/ E5-1200L v3 series processors Intel® Xeon® E3-12x5 v3 series processors (-HE SKU)	
	Socket Type / Q'ty	LGA 1150/ (1)	
	Thermal Design Power (TDP) wattage	Max up to 84W	
	System Bus	-	
Chipset (Per-blade)	Chipset	Intel® C222/ C226 (-HE SKU)	
	Super I/O	-	
Memory (Per-blade)	Supported DIMM Qty	(4) DIMM slots	
	DIMM Type / Speed	DDR3 VLP ECC 1066/1333/1600 UDIMM	
	Capacity	Up to 32GB	
	Memory channel	2 Channels per CPU	
	Memory voltage	1.5V/ 1.35V	
Expansion Slots (Per-blade)	PCI-E	-	
	Pre-install TYAN Riser Card	-	
LAN (Per-blade)	Port Q'ty	(2) GbE RJ-45	
	Controller	Intel® X540-AM2	
Storage (Per-blade)	SATA	Connector	(2) SATA
		Controller	Intel® C222/ C226 (-HE SKU)
		Speed	6.0 Gb/s
		RAID	RAID 0/1

Graphic (Per-blade)	Connector type	(1) D-Sub 15-pin port	
	Resolution	Up to 1920x1200	
	Chipset	Asped AST2300 Intel® Xeon® E3-12x5 v3 processors (-HE SKU)	
	Input /Output (Per-blade)	USB	(2) USB2.0 ports
		COM	N/A
VGA		(1) D-Sub 15-pin port	
RJ-45		(18) GbE w/ activity LED at rear from pass-through module	
SFP+		-	
System Monitoring (Per-blade)	Chipset	Onboard Asped AST2300 Onboard Asped AST1250 (-HE SKU)	
	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Temperature	Monitors temperature for CPU & memory & system environment	
	LED (On system front panel)	Over temperature warning indicator / Fan & PSU fail LED indicator	
	Others	Watchdog timer support	
Server Management (Per-blade)	Onboard Chipset	Onboard Asped AST2300 Onboard Asped AST1250 (-HE SKU)	
	AST2300 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub	
	AST2300 iKVM Feature	24-bit high quality video compression / 10/100 Mb/s MAC interface	
	AST1250 IPMI Feature (-HE SKU)	IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub	
BIOS (Per-blade)	Brand / ROM size	AMI / 16MB	
	Feature	SMBIOS 2.7/PnP/Wake on LAN / ACPI 3.0/PXE boot	
Operating System	OS supported list	Please refer to our Intel OS supported list.	
Regulation	FCC (DoC)	Class A	
	CE (DoC)	Yes	
Operating Environment	Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)	
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)	
	In/Non-operating Humidity	90%, non-condensing at 35° C	
RoHS	RoHS 6/6 Complaint	Yes	

(Specifications are subject to change without notice. Items pictured may only be representative.)

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