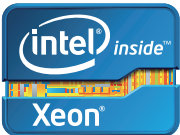


## 4U WITH 9 NODES HIGH DENSITY SERVER PLATFORM



### FS65-B5521-X9

B5521F65X9-090PV6R / B5521F65X9-160PV6R



#### Front View



#### Back View



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

- Each node has Single socket supports Intel® Sandy/Ivy Bridge (1) E3-1200/i3-2100 series processors
- Each node has Intel® C204 PCH
- Each node has (4) 240-pin DDR3 DIMM slots support up to 32GB VLP U-DDR3 1333/1066 memory
- Each node has (3) GbE LAN
- Each node has (6) 2.5" SATA HDDs
- Onboard BMC w/ IPMI and iKVM support
- (2+1) ERP1U high-efficiency ,80-PLUS Platinum 900W (B5521F65X9-090PV6R SKU) or 1600W (B5521F65X9-160PV6R SKU) PSU



# FS65-B5521-X9

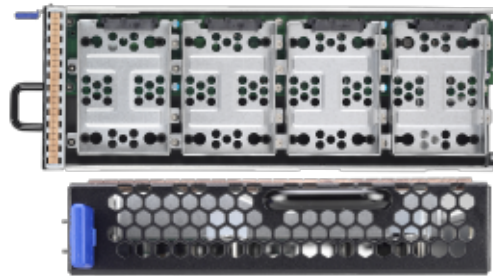
B5521F65X9-090PV6R / B5521F65X9-160PV6R

**TYAN**  
Specifications

## Node TOP View



Computing node



Storage node

System	Form Factor	4U Rackmount Frame w/ 9x Blades
	Chassis Name	FS65
	Dimension (D x W x H)	25.6" x 17.32" x 7.17" (650 x 440 x 175.7mm)
	Motherboard	S5521GM3N
Front Panel (Per Blade)	Gross Weight	55 Kg
	Buttons	(1) PWR
	LEDs	(1) ID / (1) HDD
Internal Drive Bay (Per Blade)	I/O Ports	(2) USB ports / (1) D-Sub 15 pin port / (1) RJ-45 port from Pass through module / (1) RJ45 LAN / (1) RJ-45 port consolidated, dedicate IPMI LAN
	Type / Q'ty	(2) 2.5" fixed (height: 9mm) + (4) 2.5" fixed (height: 15mm) (B5521F65X9-090PV6R SKU) or (2) 2.5" fixed (height: 15mm) + (4) 2.5" fixed (height: 15mm) (B5521F65X9-160PV6R SKU)
System Cooling Configuration (Per Blade)	Supported HDD Interface	SATA-III 6.0Gb/s + SATA-II 3.0Gb/s
	FAN	(8) 8cm hot-swap fans
Power Supply (Per Blade)	Type	ERP1U
	Input Range	100-127V/8A 200-240V/4A
	Frequency	47 - 63 Hertz
	Output Watts	450 Watts (B5521F65X9-090PV6R SKU) or 800 Watts (B5521F65X9-160PV6R SKU)
	Efficiency	80 plus Platinum
Processor (Per Blade)	Redundancy	(2+1)
	Supported CPU Series	Intel Xeon E3-1200, i3-2100 (32nm / 22nm) series processors
	Socket Type / Q'ty	LGA 1155 / (1)
Chipset (Per Blade)	Thermal Design Power (TDP) wattage	Max Up to 45W (B5521F65X9-090PV6R SKU) or Max Up to 69W (B5521F65X9-160PV6R SKU)
	Chipset	INTEL C204
Memory (Per Blade)	Supported DIMM Qty	(4) DIMM slots
	DIMM Type / Speed	DDR3 VLP ECC 1066/1333 UDIMM / DDR3 VLP ECC 1066/1333/1600 UDIMM
	Capacity	Up to 32GB
	Memory channel	2 Channels per CPU
	Memory voltage	1.5V

LAN (Per Blade)	Port Q'ty	(3)
	Controller	Intel 82574L / Intel I350-AM2
Storage (Per Blade)	SATA Controller	Intel® C204
	Speed	(2) 6.0Gb/s (4) 3.0 Gb/s
Graphic (Per Blade)	Connector type	D-Sub 15-pin
	Resolution	1600x1200 @60Hz
Input / Output (Per Blade)	Chipset	Aspeed AST2150
	USB	(2) USB2.0 ports
	VGA	(1) D-sub 15-pin port
System Monitoring (Per Blade)	RJ-45	(1) port, from Pass through module / (1) port, from blade
	Chipset	Winbond W83793G
Server Management (Per Blade)	Temperature	Monitors temperature for CPU & system environment
	LED	Fan fail LED indicator / Over temperature warning indicator
	Onboard Chipset	Onboard Aspeed AST2150
BIOS (Per Blade)	AST2150 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / USB 2.0 virtual hub / BIOS update
	AST2150 iKVM Feature	24-bit high quality video compression / Dual 10/100 Mb/s MAC interfaces
Operating System	Brand / ROM size	AMI / 8MB
	Feature	Multiple boot options / Plug and Play (PnP) / PCI2.3 / WfM2.0 / SMBIOS2.3 / PXE boot / ACPI 2.0 power management / Power on mode after power recovery / User-configurable H/W monitoring / Auto-configurable of hard disk types
Regulation	OS supported list	Please refer to our Intel OS supported list.
	FCC (DoC)	Class A
Operating Environment	CE (DoC)	Yes
	Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
RoHS	In/Non-operating Humidity	90%, non-condensing at 35° C
	RoHS 6/6 Compliant	Yes

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

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