

## Server

## Tower - SAS/SATA Hot Swap

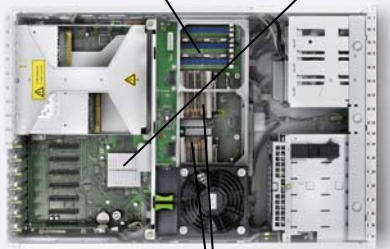
**Award  
Winning  
Quality**

Tangent servers are award winning designs that will provide your organization with years of trouble free operation.

### Inside View:

18 Memory Sockets expandable to 144GB

Intel 5520 Chipset



Up to Two Quad-Core 5500 Series

### Back View:

4 USB Ports

Optional  
Redundant  
Power Supply

Management Port

Integrated Dual  
10/100/1000  
(Gigabit) Ethernet  
Network Interfaces  
(NICs)

7 PCIe  
Expansion Slots



### Front View:



Six 3.5" Hot Swap Drive Bays or  
up to Twenty 2.5" Hot Swap Drive Bays



## Maximum Scalability

PowerFlex E-300T G5 servers combine advanced processor and storage technology with a wealth of features to enhance uptime. They are an ideal platform for customers who demand the highest performance combined with excellent reliability. Offering Quad-Core Intel® Xeon® 5500 series processors, up to 144 GB of RAM, up to 20 Serial Attached SCSI (SAS) hard disk drives, dual Gigabit Ethernet ports, and seven PCI Express slots, the PowerFlex E-300T G5 server offers maximum scalability to support demanding applications such as database warehousing, messaging/collaboration, and ERP solutions. Distributed environments with limited IT resources will appreciate this server's ease of remote management features, reliability, and expandability.

### Anytime Availability

For the utmost in server availability, the PowerFlex E-300T G5 server provides hot-plug and redundant capabilities for critical components, such as power supply units and system fans. A choice of integrated RAID controllers allows you to choose the level of performance and availability to match your needs. Extensive memory protection features like spare or mirrored memory configurations proactively prevent system crashes by moving data away from failing memory modules before a catastrophic memory failure occurs. The PowerFlex E-300T G5 server's advanced Cool-Safe design optimizes airflow to keep critical components cool and minimize power spent on cooling. This maximizes server reliability and power efficiency.

### Full Lifecycle Management

For a quick ramp up of your new server, the ServerStart Suite of tools from Fujitsu allows you to install and configure an OS load quickly and easily. Once the server is up, our ServerView software agents deliver fail-safe operation by providing inband management, monitoring, and control of PowerFlex E-300T G5 hardware. A powerful integrated Remote Management Controller chip is integrated into the PowerFlex E-300T G5 server and provides complete out-of-band monitoring, test, diagnosis, and alarm management. With remote management solutions, you are always in control of your servers.

### Quality and Reliability

Tangent powered by Fujitsu is a worldwide leader in Intel, Linux, and UNIX® architecture servers with industry leading reliability and extensive availability features. The close integration between Tangent powered by Fujitsu design, manufacturing, and service engineers creates some of the highest quality products in the server market. With global support capabilities, Tangent offers complete solutions that will allow us to meet all your present and future needs.

### Network Planning Services

Field Systems Engineers can work with you to design an optimal, secure configuration of hardware, software and services tailored specifically to your requirements.

### Custom Integration Services

Reduce your IT workload by letting Tangent build your server according to your exact specifications — including server operating systems and hardware components.



# PowerFlex E-300T G5 Series



## PowerFlex E-300T G5 Server Specifications:

<b>Processor Options</b>	Supports Dual Intel® Xeon 5500 Series
<b>Chipset</b>	Intel 5520
<b>Memory Options</b>	Up to 144GB ECC registered DDR3 SDRAM memory in eighteen DIMM slots (3 channels per CPU with 3 slots per channel = 9 slots per CPU)
<b>Integrated Drive Controller</b>	ICH10B SATA Controller Optional RAID Controller
<b>Drive Bays</b>	6x 3.5-inch, for SAS / SATA or 20x 2.5-inch for SAS/SATA optional
<b>Hard Drive Options</b>	2.5" SAS: 36GB, 73GB, 146GB 2.5" SATA: 120GB 3.5" SAS: 73GB, 146GB, 300GB, 450GB 3.5" SATA: 250GB, 500GB, 750GB, 1TB
<b>Optical Drives</b>	DVD Super Multi, (8xDVD/DVD+RW)
<b>Connectivity</b>	Intel 82575EB dual port 10/100/1000 (Gigabit) Ethernet Network Interfaces (Nics)
<b>Graphics</b>	iRMC S2, 32 MB attached memory incl. graphics controller
<b>Expansion Slots</b>	Five PCIe Gen2 (x4) Full Height Two PCIe Gen2 (x8) Full Height
<b>External Ports</b>	Two RS-232-C serial ports Two RJ-45 Gbit LAN ports One RJ-45 service LAN port Ten USB 2.0 ports (3x front, 4x rear, 3x internal) Two VGA ports (1 front, 1 rear)
<b>Power Supply</b>	800W hot-plug power supply Optional dual power supplies Auto-switching 100/240 AC power
<b>Certified Operating Systems</b>	Microsoft® Windows® Server 2003 and 2008 family of products, Red Hat Enterprise Linux, SUSE Linux Enterprise, VMware Infrastructure
<b>Server Management</b>	Automatic Server Recovery and Restart Prefailure Detection and Analyzing  Optional: ServerView Deployment Manager (fully functional unlimited version) ServerView Remote Management ServerView Integration for Tivoli TEC®, Tivoli NetView, HP OpenView NNM and HP OpenView iRMC S2 Advanced Pack
<b>System BIOS</b>	Phoenix SecureCore™ Server BIOS, version 6.0 SMBIOS 2.50 (DMI) MultiProcessor Specification 1.4 WfM 2.0 IPMI V2.0 ACPI 2.0 support
<b>Case Dimensions</b>	11.26" W x 29.33" D x 18.35" H Weight: up to 88.18 lbs Optional Rack Conversion
<b>Chassis Cooling</b>	Three system cooling fans
<b>Limited Warranty</b>	3-years parts and labor

## RECOMMENDED UPGRADES

### RAID 5/6 controller



RAID levels 0, 1, 10, 1E, 5, 50, 6 and 60 are supported for internal hard disk drive configurations. Cache memory sizes of 256 Mbyte and 512 Mbyte are available.

### Intelligent Battery Backup Unit



As an option, a battery backup unit (BBU) can save the memory content even if the power fails.

### Remote Management KVMs Option



A simple license upgrade adds advanced features like web based remote graphical console redirection and virtual media support – giving you complete control of the server from anywhere.

Notes:



Call 1.888.TANGENT

[www.tangent.com](http://www.tangent.com)