

**Award
Winning
Quality**

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

Inside View:

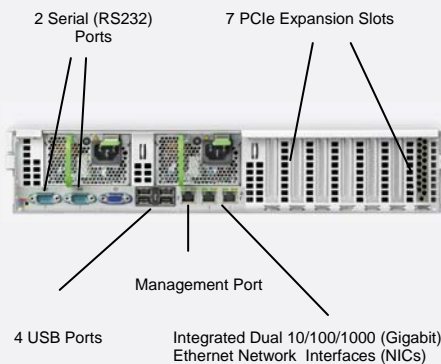
18 Memory Sockets expandable to 144GB



Intel 5520
Chipset

Up to Two Quad-Core 5500 Series

Back View:



2 Serial (RS232)
Ports

7 PCIe Expansion Slots

Management Port

4 USB Ports

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

Front View:



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



High Performance for Demanding Apps

The PowerFlex E-300R G5 server combines advanced processor and memory technology with a robust I/O to easily handle the demands of today's increasingly virtualized data centers. This server's "next generation" architecture is built around Quad Core Intel® Xeon™ 5500 series processors that deliver a dramatic increase in performance. The PowerFlex E-300R G5 combines these new processors with a memory subsystem supporting up to 144 GB of RAM. Demanding database applications or large-scale virtualized environments that previously could only be supported on larger systems can now be consolidated on the PowerFlex E-300R G5.

Rock Solid Reliability and Efficiency

Reliability is of the utmost importance to Tangent. The PowerFlex E-300R G5 is one of the first Intel Xeon 5500 series processor servers in the industry to offer memory high availability features such as memory sparing and mirroring. These are critical features for systems with large amounts of memory. The PowerFlex E-300R G5 server provides hot-plug capabilities for critical components, such as power supply units, drives, and system fans to guard against the failure of an individual component. Chassis cooling design is another key feature of this server. The PowerFlex E-300R G5 server's advanced Cool-Safe design optimizes airflow to keep critical components cool and minimize the power spent on cooling. This maximizes server reliability and power efficiency. The PowerFlex E-300R G5 server's combination of memory and hardware reliability features, and advanced cooling design make it a rock-solid platform for your business.

Complete Lifecycle Management

For a quick ramp up of your new server, ServerStart Suite software tools from Tangent powered by Fujitsu allow you to install and configure an OS load quickly and easily. Once the server is up, our ServerView software agents help to ensure fail-safe operation by providing in-band management, monitoring, and control of PowerFlex E-300R G5 hardware. New power management features optimize the power profile of PowerFlex servers to save on power costs. Our integrated Remote Management Controller provides complete out-of-band monitoring, test, diagnosis, and alarm management. 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.

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 powered by Fujitsu offers complete solutions that will allow us to meet all your present and future needs.

Network Planning Services

Tangent Field Systems Engineers will 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-300R G5 Series



PowerFlex E-300R G5 Server Specifications:

Processor Options	Supports Dual Intel® Xeon 5500 Series
Chipset	Intel 5520
Memory Options	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)
Integrated Drive Controller	ICH10B SATA Controller Optional RAID Controller
Drive Bays	6x 3.5-inch SAS/SATA or 8x or 12x 2.5-inch SAS
Hard Drive Options	2.5" SAS: 36GB, 73GB, 146GB 2.5" SATA: 120GB 3.5" SAS: 73GB, 146GB, 300GB, 450GB 3.5" SATA: 250GB, 500GB, 750GB, 1TB
Optical Drives	Slimline Blu-ray combo drive, (2x BD-ROM) Slimline DVD Super Multi, (8xDVD/DVD+RW)
Connectivity	Intel 82575EB dual port 10/100/1000 (Gigabit) Ethernet Network Interfaces (Nics)
Graphics	iRMC S2, 32 MB attached memory incl. graphics controller
Expansion Slots	Five PCIe Gen2 (x4) Low Profile Two PCIe Gen2 (x8) Low Profile
External Ports	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)
Power Supply	800W hot-plug power supply Optional dual power supplies Auto-switching 100/240 AC power
Certified Operating Systems	Microsoft® Windows® Server 2003 and 2008 family of products, Red Hat EL 5, VMware ESX
Server Management	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
System BIOS	Phoenix SecureCore™ Server BIOS, version 6.0 SMBIOS 2.50 (DMI) MultiProcessor Specification 1.4 Server Hardware Design Guide 3.0 WfM 2.0 IPMI V2.0 ACPI 2.0 support
Case Dimensions	2U—19.0" W x 30.3" D x 3.38" H Weight: up to 55 lbs
Chassis Cooling	5 hot-plug redundant fans (up to 10 optional)
Limited Warranty	3-year parts and labor

RECOMMENDED UPGRADES

Modular 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