tangent powered by **FUJITSU**

| Server | 1U Rack - SAS/SATA Hot Swap |

Award Winning Quality

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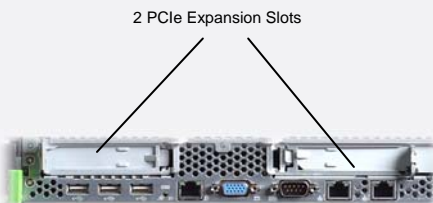
Inside View:

12 Memory Sockets expandable to 96GB

Intel 5500 Chipset

Up to Two Quad-Core 5500 Series

Back View:

2 PCIe Expansion Slots

Management Port

3 USB Ports

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

Front View:

6 Hot Swap Drive Bays (8 Bays Optional)

Maximum Performance, Minimum Space

The PowerFlex E-200R G5 server's 1U rack chassis allows data center administrators to pack a tremendous amount of performance in a small space. The new quad core Intel Xeon 5500 series processors and the PowerFlex E-200R G5 server's power efficiency and cooling design maximize the use of data center resources. Its processing power, combined with extensive memory and storage scalability give the PowerFlex E-200R G5 the power necessary to run today's demanding enterprise applications.

Anytime Availability
The PowerFlex E-200R G5 Server includes many powerful high availability features. To protect data, the base integrated SAS and SATA controllers include RAID 1. With support for up to eight 2.5" hard drive bays and a modular RAID option, the PowerFlex E-200R G5 offers a self contained RAID 5. Its extensive memory protection features include memory mirroring, where half of the memory is set aside for redundancy – the ultimate in memory protection. Optional redundant power supplies and easy change cooling fans insure that power and cooling are protected. The PowerFlex E-200R G5 server's advanced Cool-Safe design optimizes airflow to keep critical components cool and minimize power wasted on cooling. This maximizes server reliability and power efficiency. With its wide array of availability features, the PowerFlex E-200R G5 Server is a platform you can count on.

Complete Lifecycle Management
For a quick ramp up of your new server, ServerStart Suite software tools from Tangent powered by Fujitsu allows 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-200R G5 hardware. 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 the 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
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.

(intel) **Xeon®** inside™

PowerFlex E-200R Series

PowerFlex E-200R G5 Server Specifications:

Processor Options	Supports Dual Intel® Xeon 5500 Series
Chipset	Intel 5500
Memory Options	Up to 96GB ECC registered or 24GB unbuffered DDR3 SDRAM memory in twelve DIMM slots (3 channels per CPU with 2 slots per channel = 6 slots per CPU)
Integrated Drive Controller	ICH10R SATA Controller Optional RAID Module
Drive Bays	6x 3.5-inch SAS/SATA or 8x 2.5-inch SAS/SATA
Hard Drive Options	36GB 15k, 73GB 10k, 73GB 15k, 146GB 10k
Optical Drives (only with 6HDDs)	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	One PCIe Gen2 (x8) full-height, half-length slot One PCIe Gen2 (x8) low profile, half-length slot One PCIe Gen2 (x4) low profile (RAID Card Only)
External Ports	One RS-232-C serial port Two RJ-45 Gbit LAN ports One RJ-45 service LAN port Seven USB ports (3x front, 2x rear, 1 internal) Two VGA ports (1 front, 1 rear)
Power Supply	770W w/PFC 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 SecureCoreTM 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	1U—17.0" W x 30.1" D x 1.7" H Weight: up to 35.3 lbs
Chassis Cooling	Six hot-plug redundant (5+1)double fans
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