

Teradata Data Mart Appliance

Integrated Data Mart to Meet Your Needs

The Teradata® Data Mart Appliance 551 offers a completely integrated data mart solution with optimized system performance. Based on a single SMP node and Teradata Database, it provides the dependability and high performance you've come to expect with a Teradata solution.

Ideal for meeting entry-level production data warehousing and data mart requirements, the Teradata Data Mart 551 can readily support the need for test and development systems as well. The Teradata Data Mart 551 features the industry-leading Quad Core Intel® Xeon®

Processors. Quad Core technology enables breakthrough performance for Teradata Database and all applications by providing four computing elements in the processor. Intel Xeon processors can run 64-bit-enabled operating systems, which improves performance by enabling the system to address more than 4GB of memory.

Teradata Data Mart is a fully-integrated system in a rack cabinet with up to two Teradata 6287 Storage Arrays that can each support up to 32 disk drives in a RAID configuration. The rack cabinet can also include dual uninterruptible power



supplies (UPS) that provide graceful shutdown of Teradata Database during a power loss.

Teradata Data Mart offers outstanding availability and serviceability with such features as hot-swappable, redundant power supplies and internal disk drives. With these capabilities, it provides a solid foundation for data mart applications.

Your Teradata Data Mart is delivered with the operating system and database software installed and appropriately configured. Due to this integration process, you typically can begin loading data and running queries within a short time of initial delivery – and quickly begin reaping business value.

Teradata Data Mart is backed by Teradata's world-class service and support, delivering the dependability, performance, and peace of mind you need in your business.

Features	Benefits
Teradata Database	Ideal for use as an entry-level data warehouse or data mart solution or as a Teradata development platform
Quad Core Intel Xeon Processor	Delivers exceptional performance and functionality with the Teradata Database
Support for Novell® SUSE® Linux Enterprise Server (64-bit) and Windows Server 2003 64-bit operating systems	Enterprise fit, flexibility, and investment protection through choice of high-performance, 64-bit operating systems
Integrated server and data storage in a single rack cabinet	Quick deployment and space efficiency
Enterprise-class levels of availability with redundant, hot-swappable power supplies and hard disk drives and integrated RAID storage option	In the unlikely event of a component failure, provides high availability and minimizes the downtime for maintenance
IBM ESCON and FICON connectivity	Connectivity with the enterprise data center

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Teradata Data Mart Appliance 551 Description

<p>Teradata Node</p> <p>Processor</p> <ul style="list-style-type: none">• Single Quad Core Intel Xeon Processor, 2.33GHz• 4MB Advanced Transfer L2 Cache• 1333MHz Front Side Bus (FSB) <p>Memory</p> <ul style="list-style-type: none">• 16GB DDR2 667MHz Fully-Buffered DIMM (FBD) Modules, Error Checking and Correction, and Single Device Error Correction <p>Internal Storage Devices</p> <ul style="list-style-type: none">• Up to four hot-swappable 146GB, 15K RPM SAS hard drives (two 146GB drives standard)• One DVD-RW <p>Connectivity per Node</p> <ul style="list-style-type: none">• Three PCI slots:<ul style="list-style-type: none">– Two high-profile 133MHz PCI-X and one low-profile PCI Express (PCIe x8)– Three low-profile PCI Express (PCIe x4)• Integrated RAID controller with SAS backplane• Two on-board Ethernet connections: 10/100/1000T Copper• Storage Connectivity Adapters<ul style="list-style-type: none">– 2Gb Quad Fibre Channel for Disk Storage• Network Adapters<ul style="list-style-type: none">– Dual port Ethernet 10/100/1000T Copper– Dual port 1Gb Fiber (Optical)• Mainframe Connectivity Adapters<ul style="list-style-type: none">– IBM ESCON for Teradata Database– IBM FICON for Teradata Database <p>Operating Systems</p> <ul style="list-style-type: none">• 64-bit Novell SUSE SLES 10 Linux• 64-bit Windows Server 2003	<p>Storage</p> <ul style="list-style-type: none">• Up to two Teradata 6287 Storage Arrays<ul style="list-style-type: none">– 64 drives maximum– Up to four drive trays (two per array) with 16 disk drives per tray• Maximum Teradata user data capacity:<ul style="list-style-type: none">– 2.6TB (146GB drives)– 5TB (300GB drives)• RAID 0, 1, 5 (RAID 1 recommended for Teradata) <p>Teradata Database</p> <ul style="list-style-type: none">• Certified and integrated with Teradata Database 12.0 and higher software versions<ul style="list-style-type: none">– Complete Teradata Database features and functions• Teradata Tools and Utilities available for load and workload management <p>Cabinet</p> <ul style="list-style-type: none">• Dimensions<ul style="list-style-type: none">– Height: 77 in. (195.6 cm)– Width: 24 in. (62.6 cm)– Depth: 40 in. (101.6 cm)– Weight: 700 lbs. (350 kg)• Keyboard and mouse and monitor trays• Front and back doors, removable side panels• Up to two uninterruptible power supply (UPS) units <p>High Availability Hardware Features</p> <ul style="list-style-type: none">• Optional UPS ensures safe shutdown of Teradata applications during power failures• Hot-swappable components: power supplies, UPS batteries, and disks• Redundant power supplies <p>External Data Storage and Backup for Data Protection</p> <ul style="list-style-type: none">• Teradata Tape Library, disk backup, and storage management products	<p>Operating Specifications</p> <ul style="list-style-type: none">• Operating Temperature: 50°F to 104°F (10°C to 40°C)• Voltage Range: 208/220/230/240VAC• Frequency: 50-60Hz• Current: 15 amperes• Power: 2500 watts• Compliant with U.S. and International Safety and Emissions Standards• RoHS and WEEE compliant <p>Support Services</p> <p>Global Support</p> <ul style="list-style-type: none">• Most experienced data warehouse service personnel in the industry• 24-hour x 365 days availability <p>Warranty Support</p> <ul style="list-style-type: none">• One-year remote and on-site hardware support, operating system problem resolution• 24-hour incident reporting <p>Enterprise System Support</p> <ul style="list-style-type: none">• Delivers quality, one-source support and single point of delivery with each level of service.• Two flexible support solutions designed to grow: Base and Business Critical.• Integrated proactive tools, such as Teradata Vital Infrastructure and VPN secure remote connectivity. <p>Teradata Vital Infrastructure</p> <ul style="list-style-type: none">• Built-in support software available on each Teradata Data Mart.• Regularly collects system asset data.• Fault event data are recorded, automatic incident reports are created.• Alert notifications are sent and tracked. <p>Implementation Services</p> <ul style="list-style-type: none">• Staging Services• Installation Services
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