



PowerEdge 2500

Client/Server w/1 PE1400 Front End

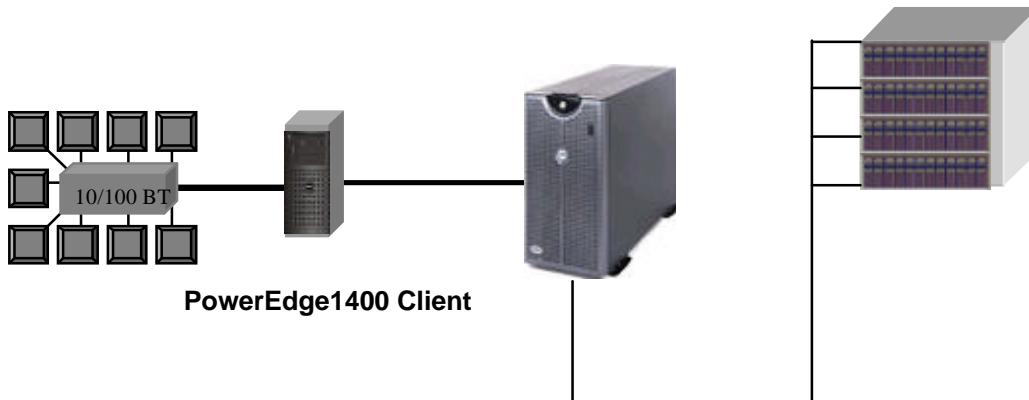
TPC-C Rev 5.0
 Report Date
 OCT 31, 2001
 Revised 12/14/01

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
\$53,203	11,320.02 tpmC	\$4.70/ tpmC	OCT 31, 2001	
Processors	Database Manager	OS	Other Software	Number of Users
1 x Pentium® III™ Processors 1130 MHz 512KB L2 Cache	Microsoft SQL Server 2000 Standard Edition	Microsoft Windows 2000 Server	Windows 2000 Server w/ COM+ Internet Information Server 5.0 Microsoft Visual C++	9,120

PE2500

w/ 1 1130 MHz Pentium® III™ CPU w/ 512KB L2 cache, 2.25GB RAM, 2 Mylex Extreme2000 RAID Controllers, 4 18GB 10K RPM U2 SCSI Disks

4 PV210S Disk Pods
 48 18GB 10K RPM U3 SCSI Disks



System Component	Server		Each Client	
Processors	1	Pentium® III™ @ 1130MHz w/ 512KB L2	1	Pentium® III @ 1000MHz w/ 256 KB L2
Cache		2304 MB		512 MB
Memory		Mylex ExtremeRAID 2000	1	Adaptec On-Board
Disk Controllers	2	Adaptec On-Board		
Disk Drives	1	9 GB SCSI	1	9 GB
	52	18 GB SCSI		
Total Storage		880 GB		9 GB
Other	1	10/100 BT internal NIC	1	
	1	CD-ROM	1	
	1	Tape Backup Unit		

Dell		PowerEdge 2500		TPC-C REV 5.0 EXECUTIVE SUMMARY PAGE 2 OF 2			
		Client/Server		Report Date: 31-Oct-01			
Description	Part Number	Third Party Brand	Pricing	Unit Price	Qty	Extended Price	3-yr. Maint. Price
Server Hardware							
Dell PowerEdge 2500 includes: Pentium III 1.13 GHz /512KB L2 - 1 processor	220-6475		1	1,308	1	1,308	748
2 GB RAM, 4 x 512MB DIMMS	311-6574		1	1,996	1	1,996	
256 MB RAM, 2 x 128MB DIMMS	311-6567		1	219	1	219	
6 Bay HD Back Plane	311-6578		1	179	1	179	
Non-Redundant Power Supply	310-0846		1	199	1	199	
9 GB U160M SCSI 10K RPM Hard Drive	340-1937		1	249	1	249	
Tape Backup Unit	340-2559		1	699	1	699	
Dell 15" Monitor	320-0960		1	149	1	149	
Extreme RAID 2000 PCI SCSI 4 channel RAID controller***	08P3834	Computer Giar	3	1,299	4	5,196	
Subtotal						10,194	748
PowerVault Disk Subsystem							
PV210S, U3 SCSI, PS, Rack mount	220-4099, etc.		1	2,674	4	10,696	3,058
SCSI Cables	310-0313		1	49	4	196	
18 GB U160M SMRT SCSI 10K RPM Hard Drive *	340-6639		1	249	52	12,948	
Subtotal						23,840	3,058
Server Software							
SQL Server 2000 Sta. Edition, Per processor licensing **		Microsoft	2	4,999	1	4,999	6,288
Windows 2000 Server, 25 Client Licenses **		Microsoft	2	738	1	738	
Subtotal						5,737	6,288
Client Hardware							
Dell PowerEdge 1400SC, 1GHz Pentium III w/ 256KB L2	220-2333		1	786	1	786	398
512MB RAM, 1 DIMM	311-1194		1	408	1	408	
9GB LVD SCSI Hard Drive,	340-1964		1	249	1	249	
Ether Express PRO 100+ Ethernet Adapter	430-1970	Intel	1	59	1	59	
Dell 15" Monitor	320-0960		1	149	1	149	
Subtotal						1,651	398
Client Software							
Windows 2000 Server, 5 Client Licenses **		Microsoft	2	738	1	738	
Visual C++ Professional 6.0 Win32 **		Microsoft	2	549	1	549	
Subtotal						1,287	
User Connectivity							
Crossover Cable 6ft***	CLB514	OCSUSA	4	2	3	6	
Subtotal						6	
Other Discounts						-	
Total						42,715	10,484
Notes: * Maint. included in PowerVault 210S disk pod or PV650F/630F fibre channel disk pod						Three-Year Cost of Ownership: \$53,203	
** All Microsoft maintenance is covered by the maintenance costs of Microsoft SQL Server							
*** 10% or minimum 2 spares are added in place of onsite service (products have a three year return-to-vendor warranty) Pricing: 1 - Dell 2 - Microsoft 3 - Computer Giants 4 - OCSUSA						tpmC Rating: 11320.02	
Audited by Lorna Livingtree, Performance Metrics Inc.						\$/tpmC: 4.70	
Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed components. For complete details, see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available according to these items, please inform the TPC at pricing@tpc.org .							

MQTh, computed Maximum Qualified Throughput		11320.02 tpmC		
Response Times (in seconds)		Average	90th	Max
- Neworder		0.50	0.75	5.53
- Payment		0.28	0.46	3.94
- Order Status		0.36	0.56	5.49
- Delivery (interactive portion)		0.15	0.26	0.84
- Delivery (deferred portion)		0.69	1.14	2.11
- Stock-Level		3.43	4.65	11.24
- Menu		0.15	0.27	0.96
Response time delay added for emulated components			Menu 0.15	Resp 0.15
Transaction Mix, in percent of total transactions				
- New-Order				44.85%
- Payment				43.02 %
- Order-Status				4.04 %
- Delivery				4.05 %
- Stock-Level				4.04 %
Keying/Think Times (in seconds),		Min	Average	Max
- New-Order	18.02	0.0	18.02 12.06	18.04 120.40
- Payment	3.02	0.0	3.01 12.03	3.04 120.40
- Order-Status	2.02	0.0	2.01 10.07	2.04 100.40
- Delivery	2.02	0.0	2.01 5.06	2.04 50.40
- Stock-Level	2.02	0.0	2.01 5.06	2.03 50.40
Test Duration				
- Ramp-up time				10 minutes
- Measurement interval				120 minutes
- Number of checkpoints				1
- Checkpoint interval				30 minutes
- Number of transactions (all types) completed in measurement interval				3,150,939