



PowerEdge 2500

Client/Server w/1 PE1400 Front End

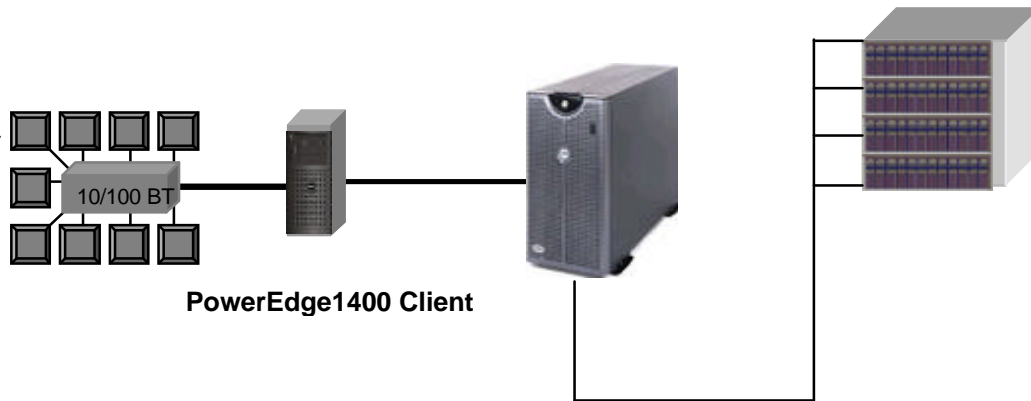
TPC-C Rev 5.0
Report Date
DEC 14, 2001

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
\$49,484	11,314.11 tpmC	\$4.38/ tpmC	DEC 14, 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, 3 Mylex AcceleRAID352 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				
Memory		2304 MB		512 MB
Disk Controllers	3	Mylex AcceleRAID 352	1	Adaptec On-Board
	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		

Appendix E - Price Quotations

Dell		PowerEdge 2500			TPC-C REV 5.0 EXECUTIVE SUMMARY PAGE 2 OF 2			
		Client/Server			Report Date: 14-Dec-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 Xeon 1.13 GHz /512KB L2 - 1 processor	220-6475		1	1,221	1	1,221	74	
2 GB RAM, 4 x 512MB DIMMS	311-6574		1	1,796	1	1,796		
256 MB RAM, 2 x 128MB DIMMS	311-6567		1	204	1	204		
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		
ACCELER RAID A352 PCI SCSI 2 channel RAID controller***, ****	08P2420	Mylex	3	595	5	2,975		
Subtotal						7,671	74	
PowerVault Disk Subsystem								
PV210S, U3 SCSI, PS, Rack mount	220-4099, etc.		1	2,539	4	10,156	2,40	
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						23,300	2,400	
Server Software								
SQL Server 2000 Sta. Edition, Per processor licensing **		Microsoft	2	4,999	1	4,999	6,28	
Windows 2000 Server, 25 Client Licenses **		Microsoft	2	738	1	738		
Subtotal						5,737	6,28	
Client Hardware								
Dell PowerEdge 1400SC, 1GHz Pentium III w/ 256KB L2	220-2333		1	786	1	786	39	
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	39	
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						39,652	9,83	
Notes: * Maint. included in PowerVault 210S disk pod or PV650F/630F fibre channel disk pod						Three-Year Cost of Ownership: \$49,484		
** 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 five year return-to-vendor warranty) Pricing: 1 - Dell 2 - Microsoft 3 - Computer Giants 4 - OCSUSA						tpmC Rating: 11314.11		
**** Substituting for ExtremeRAID 2000. See Auditor's note in FDR								
Audited by Lorna Livingtree, Performance Metrics Inc.						\$ / tpmC: 4.38		
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 .								

Appendix E - Price Quotations

MQTh , computed Maximum Qualified Throughput		11314.11 tpmC	
Response Times (in seconds)	Average	90th	Max
- Neworder	0.51	0.74	6.91
- Payment	0.30	0.46	5.01
- Order Status	0.38	0.58	8.07
- Delivery (interactive portion)	0.15	0.26	0.79
- Delivery (deferred portion)	0.71	1.14	2.48
- Stock-Level	3.19	4.32	9.93
- Menu	0.15	0.27	0.97
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	18.03 0.0	18.01 12.06	18.04 120.41
- Payment	3.03 0.0	3.02 12.03	3.04 120.41
- Order-Status	2.03 0.0	2.02 10.07	2.04 100.40
- Delivery	2.03 0.0	2.02 5.06	2.04 50.40
- Stock-Level	2.03 0.0	2.02 5.06	2.04 50.40
Test Duration			
- Ramp-up time			5 minutes
- Measurement interval			120 minutes
- Number of checkpoints			1
- Checkpoint interval			30 minutes
- Number of transactions (all types) completed in measurement interval			3,149,348