



PowerEdge 2500

Client/Server w/1 PE1400 Front End

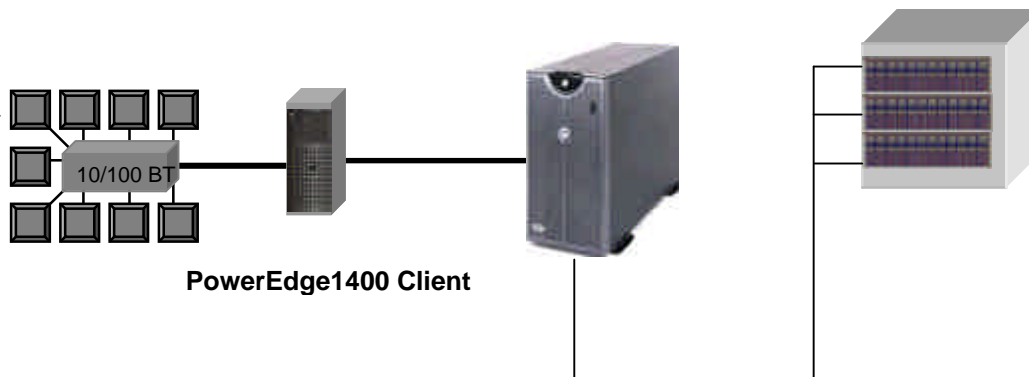
TPC-C Rev 5.0
Report Date
Mar 12, 2002

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
\$42,451	11,537.02 tpmC	\$3.68/ tpmC	Mar 12, 2002	
Processors	Database Manager	OS	Other Software	Number of Users
1 x Pentium® III Processors 1226 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++	9,480

PE2500

w/ 1 1226 MHz Pentium® III CPU w/ 512KB L2 cache, 2.25GB RAM, 2 Mylex AcceleRAID352 RAID Controllers, 2 36GB 10K RPM U2 SCSI Disks

3 PV220T Disk Pods
42 18GB 10K RPM U3 SCSI Disks



System Component	Server		Each Client	
Processors	1	Pentium® III @ 1226MHz w/ 512KB L2	1	Pentium® III @ 1000MHz w/ 256 KB L2
Cache				
Memory		2304 MB		512 MB
Disk Controllers	2	Mylex AcceleRAID 352	1	Adaptec On-Board
	1	Adaptec On-Board		
Disk Drives	43	18 GB SCSI	1	18 GB
	2	36 GB SCSI		
Total Storage		811 GB		18 GB
Other	1	10/100 BT internal NIC	1	
	1	CD-ROM	1	
	1	Tape Backup Unit		

	Client/Server	Report Date: 12-Mar-02
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Description	Part Number	Third Party	Unit	Qty	Extended	3 yr. Maint.
Server Hardware						
Dell PowerEdge 2500 includes: Pentium III Xeon 1.26 GHz /512KB L2 - 1 processor	220-7856	Brand	Pricing	1	1,221	748
2 GB RAM, 4 x 512MB DIMMS	311-6574			1	1,796	-
256 MB RAM, 2 x 128MB DIMMS	311-5556			1	204	-
6 Bay HD Back Plane	311-6578			1	179	-
Non-Redundant Power Supply	310-0846			1	199	-
18 GB U160M SCSI 10K RPM Hard Drive	340-1937			1	249	-
Tape Backup Unit	340-2559			1	699	-
Dell 15" Monitor	320-0960			1	149	-
ACCELERAIID A352 PCI SCSI 2 channel RAID controller***	08P2420	Mylex		3	598	-
				4	2,392	-
					Subtotal	748
PowerVault Disk Subsystem						
PV220T, U3 SCSI, PS,	220-4476, etc.			1	2,949	1,800
SCSI Cables	310-0679			1	99	-
36 GB U160M SMRT SCSI 10K RPM Hard Drive *	340-3575			1	499	-
18 GB U160M SMRT SCSI 10K RPM Hard Drive *	340-3079			1	249	-
				42	10,458	-
					Subtotal	1,800
Server Software						
SQL Server 2000 Sta. Edition, Per processor licensing **		Microsoft		2	4,999	6,285
Windows 2000 Server, 25 Client Licenses **		Microsoft		2	738	-
				1	738	-
					Subtotal	6,285
Client Hardware						
Dell PowerEdge 1400SC, 1GHz Pentium III w/ 256KB L2	220-4482			1	547	637
512MB RAM, 1 DIMM	311-1194			1	408	-
18GB SCSI Hard Drive,	340-1964			1	249	-
Ether Express PRO 100+ Ethernet Adapter	430-1970	Intel		1	59	-
Dell 15" Monitor	320-0960			1	149	-
					Subtotal	637
Client Software						
Windows 2000 Server, 5 Client Licenses **		Microsoft		2	738	-
Visual C++ Professional 6.0 Win32 **		Microsoft		2	549	-
				1	549	-
					Subtotal	-
User Connectivity						
Crossover Cable 7ft***	20638-7	Vaster		4	2	-
				3	5	-
					Subtotal	-
					5	-
		Discounts****			(3,149)	-
					Total	9,470

Notes: * Maint. included in PowerVault 220T disk pod	Three-Year Cost of Ownership: \$42,450
** 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 - CableClub.com	tpmC Rating: 11537.02
**** Discount based upon total system cost as purchased by a regular customer. Pricing may be verified by calling 1-800-BUY-DELL referencing quote numbers 77688548 as complex quotes.	
Audited by Lorna Livingtree, Performance Metrics Inc.	\$/ tpmC: 3.68

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotia

MQTh, computed Maximum Qualified Throughput

11537.02
tpmC

Response Times (in seconds)

	Average	90th	Max
- Neworder	0.75	1.10	5.26
- Payment	0.50	0.82	2.08
- Order Status	0.60	0.93	5.05
- Delivery (interactive portion)	0.32	0.61	1.55
- Delivery (deferred portion)	1.01	1.64	3.97
- Stock-Level	3.83	5.01	11.31
- Menu	0.33	0.63	1.57

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	43.03 %
- Order-Status	4.04 %
- Delivery	4.04 %
- Stock-Level	4.05 %

Keying/Think Times (in seconds),

	Min		Average		Max	
- New-Order	18.01	0.0	18.03	12.06	18.04	120.41
- Payment	3.01	0.0	3.03	12.04	3.05	120.41
- Order-Status	2.02	0.0	2.03	10.06	2.05	100.41
- Delivery	2.02	0.0	2.03	5.04	2.04	50.40
- Stock-Level	2.02	0.0	2.03	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	3,211,532