

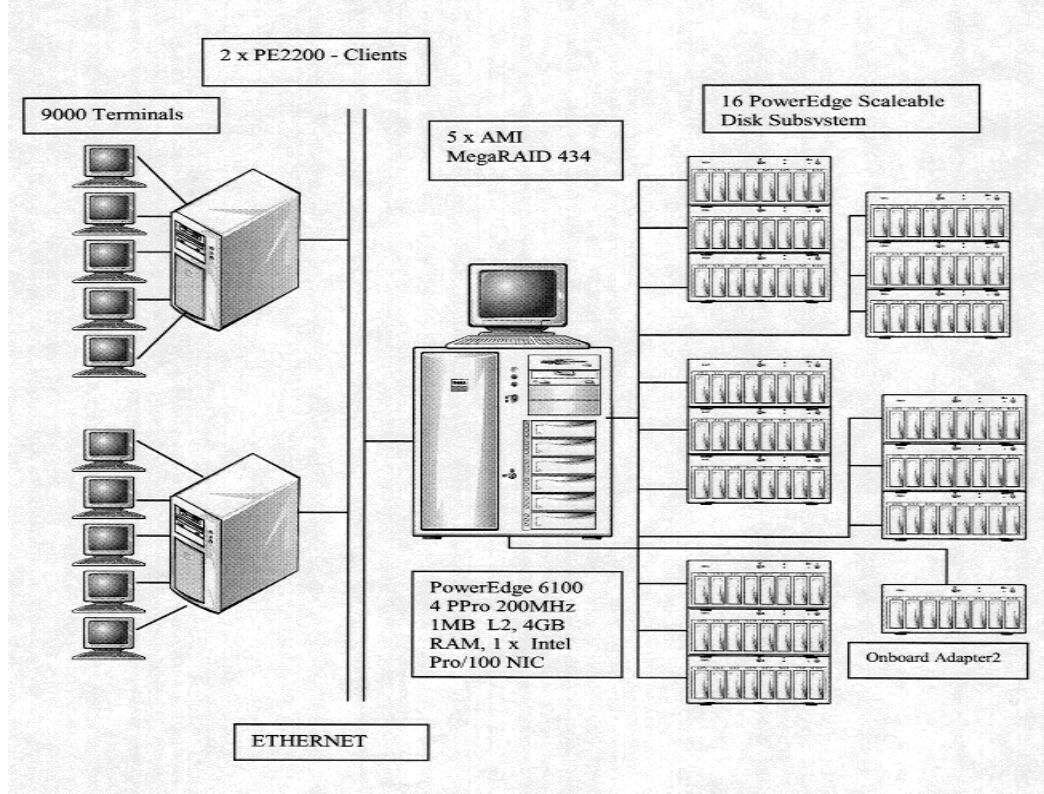


# PowerEdge 6100

Client/Server w/4 PE2100 Front Ends

TPC-C Rev 3.3.2  
Report Date  
Jan 5, 1998

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
<b>\$324,623</b>	<b>10984.07 tpmC</b>	<b>\$29.55 / tpmC</b>	<b>Jan 5, 1998</b>	
Processors	Database Manager	OS	Other Software	Number of Users
4 x Pentium® Pro Processors 200 MHz 1MB L2 Cache	Microsoft SQL Server 6.5 Enterprise Edition	Microsoft WindowsNT Server4.0 Enterprise Edition	Tuxedo 6.3 CFS Microsoft Internet Information Server Microsoft Visual C++	<b>9000</b>



System Component	Server		Each Client	
Processors	4	Pentium Pro® 200MHz	2	Pentium II® @ 300MHz
Cache		1MB		512 KB
Memory	1	4096 MB	1	384 MB
Disk Controllers	5	AMI MegaRAID 434		Adaptec On-Board
	2	Adaptec - On-Board		
Disk Drives	34	9 GB (8.473 GB useable)	1	2 GB
	99	4 GB (3.999 GB useable)		
Total Storage		683.98 GB		2 GB
Other	1	CD-ROM	1	CD-ROM
	1	PCI Ethernet NIC	3	PCI Ethernet NIC
	1	Tape Drive		

Dell Computer Corporation	PowerEdge 6100 Client/Server	TPC-C REV 3.3.2 EXECUTIVE SUMMARY PAGE 2 OF 2  Report Date: 5-Jan-1997
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Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price
		Brand	Pricing			
<b>Server Hardware</b>						
Dell PowerEdge 6100 w/1 PentiumPro/200-1MB L2	220-0376		1	7,036	1	2,483
Second Processor Card	311-0346		1	859	1	0
PentiumPro/200-1MB L2	311-0345		1	3,269	3	0
4 GB DIMM Board w/ 4GB	311-0261		1	19,799	1	0
Intel Ether Express PRO 100/B PCI ENET Adapter	430-0008	Intel	1	99	1	0
Readyware fee for NIC	365-1234		1	15	1	0
4/8 GB DAT Drive	340-1300		1	699	1	0
Ultrascan 800 HS Monitor	320-5401		1	374	1	0
PowerEdge Scalable Disk System	220-9031		1	1,449	16	31,728
9GB Pluggable UW SCSI-3 Disk Drive - 10000 RPM *	340-0484		1	1,269	8	0
9GB Pluggable UW SCSI-3 Disk Drive *	340-5889		1	899	26	0
4GB Pluggable UW SCSI-3 Disk Drive *	340-7676		1	599	99	0
SCSI Cables	310-0052		1	129	16	0
AMI MegaRAID 434 w/ 16M EDO ***	43432100016	AMI	4	2,215	7	0
Subtotal					172,268	34,211
<b>Server Software</b>						
MS SQL Server, Enterprise Ed. 6.5, Unlimited Users **		Microsoft	2	28,999	1	10,475
MS Windows NT Server 4.0 Enterprise Ed. w/25CAL **		Microsoft	2	3,999	1	0
Subtotal					32,998	10,475
<b>Client Hardware</b>						
Dell PowerEdge 2200 w/2 P2-300-512K,384MB RAM	220-0049		1	6,245	2	3,966
2GB UW SCSI-3 Disk Drive, Ultrascan 800 HS Monitor, Intel Ether Express PRO 100/B PCI ENET Adapter						
Intel Ether Express PRO 100/B PCI ENET Adapter	430-0008	Intel	1	99	2	0
Adaptec 6944 4-port Ethernet Adapter		Adaptec	1	665	2	0
Readyware fee for NIC (per machine)	365-1234		1	15	2	0
Subtotal					14,048	3,966
<b>Client Software</b>						
MS Window NT Server 4.0 w/ 10 CAL **		Microsoft	2	809	2	0
MS SQL Workstation (includes programmer's toolkit) **		Microsoft	2	499	1	0
MS Visual C++ 32 bit Edition **		Microsoft	2	499	1	0
Tuxedo 6.3 Core Functionality Services for NT		BEA	3	3,000	2	4,500
Subtotal					8,616	4,500
<b>User Connectivity</b>						
COMPEX MicroHub 5 Port - 100 TX Hub ***	DEH2604	Compex	1	219	3	0
COMPEX MicroHub/8 8+1 A11Port 10BaseT Hub **	DEH2924	Compex	1	34.50	1,243	0
Subtotal					43,541	0
Other Discounts					0	0
Total					\$271,471	\$53,152

Notes: * Maintenance Included in PowerEdge Scalable Disk System maintenance price ** 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 - BEA 4 - AMI Audited by Richard Gimarc of Performance Metrics, Inc.	Five-Year Cost of Ownership:	\$324,623
	tpmC Rating:	10984.07
	\$ / tpmC:	29.55

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](mailto:pricing@tpc.org).

**MQTh**, computed Maximum Qualified Throughput 10984.07  
 % throughput difference, reported & reproducibility runs tpmC 0.4%

<b>Response Times</b> (in seconds)	Average	90th	Max
- Neworder	0.86	1.9	26.80
- Payment	0.62	1.4	42.97
- Order Status	0.90	1.6	8.48
- Delivery (interactive portion)	0.76	1.27	3.04
- Delivery (deferred portion)	0.65	1.03	3.05
- Stock-Level	1.58	2.9	6.84
- Menu	0.20	0.45	1.72

Response time delay added for emulated components Menu 0.1  
 Resp 0.1

**Transaction Mix**, in percent of total transactions

- New-Order	44.86 %
- Payment	43.01 %
- Order-Status	4.02 %
- Delivery	4.06 %
- Stock-Level	4.03 %

<b>Keying/Think Times</b> (in seconds),	Min		Average		Max	
- New-Order	18.00	0.0	18.01	12.11	18.05	121.01
- Payment	3.00	0.0	3.00	12.07	3.06	121.01
- Order-Status	2.00	0.0	2.00	10.14	2.04	101.00
- Delivery	2.00	0.0	2.00	5.09	2.04	45.92
- Stock-Level	2.00	0.0	2.00	5.10	2.04	51.00

**Test Duration**

- Ramp-up time	33 minutes
- Measurement interval	30 minutes
- Number of checkpoints	1
- Checkpoint interval	30 minutes
- Number of transactions (all types) completed in measurement interval	734,535