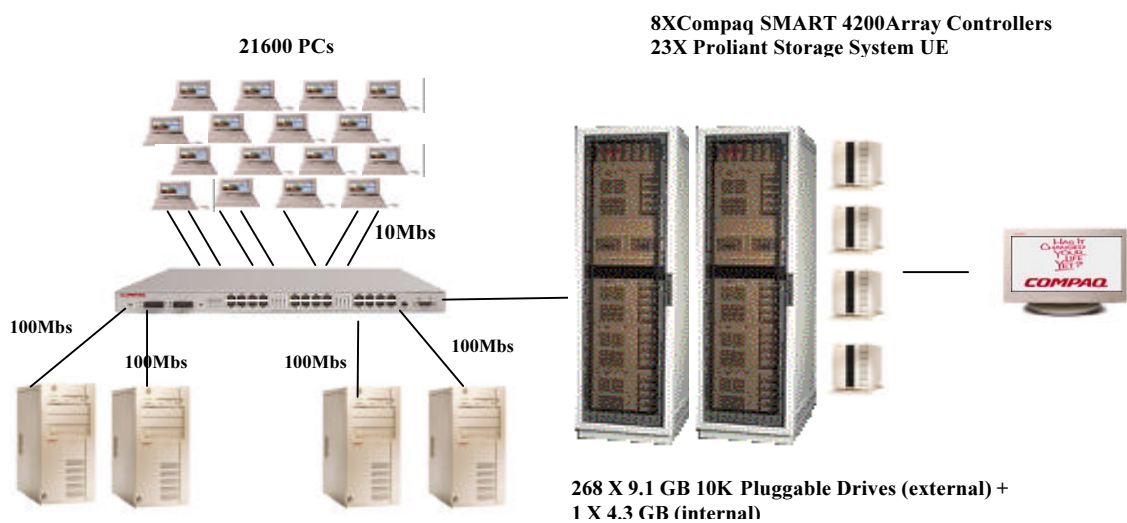


Compaq Computer Corporation		ProLiant 8500-550-4P C/S with 4 ProLiant 1600		TPC-C Rev. 3.5 Report Date: Sept 2, 1999					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
\$476,957		26686.00		\$17.88		Dec 31, 1999*			
Processors		Database		Operating System		Other Software		Number Users	
4 Pentium III Xeon 550 MHz		Microsoft SQL Server 7.0 Enterprise Edition		Windows NT 4.0 Enterprise Edition (SP4)		Microsoft Visual C++ MKS Toolkit for NT Microsoft COM+		21600	

Compaq ProLiant 8500-550-4P



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	4	550MHz Pentium III Xeon w/ 2MB Cache	2	500MHz Pentium III w/ 512K cache
Memory	16	256MB	4	128MB
Disk Controllers	8	SMART SCSI Array Controller 4200	1	Integrated Ultra SCSI Controller
Disk Drives	268 1	9.1GB SCSI Drive 4.3GB SCSI Drive	1	4.3GB SCSI Drive
Total Storage		1.7778 TeraBytes		4.3 GB
Tape Drives	1	4/16 TurboDAT		

* Hardware availability date September 2, 1999

Compaq Computer Corporation	ProLiant 8500-550-4P		TPC-C Rev. 3.5			
	Client/Server		Report Date:		2-Sep-99	
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price
Server Hardware						
ProLiant 8500-550-4	323300-001		49,280	1	49,280	
- 4 Pentium III Xeon/550MHz 2MB Cache						
- 2 GB SD RAM Memory						
- CD-ROM 24X						
- 10/100 Ethernet Controller						
Compaq NC3123 Fast Ethernet NIC PCI, 10/100 WOL	174830-B21	1	75	1	75	
512MB SD RAM Memory Kit (2 x 256MB)	238807-B21	1	1,652	4	6,608	
Compaq SMART Array Controller 4200	295636-B21	1	2,218	8	17,741	
ProLiant Storage System -UE	348710-002	1	1,903	23	43,766	
4.3-GB Fast SCSI-2 7200 RPM Drive	199580-001	1	447	1	447	
Compaq VGA V55 Color Monitor	308006-001	1	203	1	203	
4/8GB DAT Drive	295353-B21	1	703	1	703	
Compaq Rack Model 7142	165753-001	1	1,680	2	3,360	
Compaq Rack Coupling Kit	165664-001	1	152	1	152	
Compaq Rack Sidewall Kit	165652-001	1	208	1	208	
Compaq UPS Model T2000	242688-005	1	936	1	936	
9.1 GB Hot-Plug SCSI-3 Drive - 10K	336357-B21	1	716	268	191,802	
ProLiant Enterprise Server - Parts Exchange - 1 Year	FM-HEPRT-12	1	597	2		1,194
ProLiant Storage System - Parts Exchange - 1 Year	FM-STPRT-12	1	255	46		11,730
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Allstar	1				25,223
Subtotal					315,282	38,147
Server Software						
Microsoft SQL Server 7.0 Enterprise	Microsoft	2	28,999	1	28,999	10,475
MKS Toolkit for NT	MKS	1	499	1	499	5 Yr WTY
Microsoft Visual C++ 6.0	Microsoft	2	549	1	549	Incl Above
Microsoft Windows NT Enterprise v. 4.0	Microsoft	2	3,999	1	3,999	Incl Above
Subtotal					34,046	10,475
Client Hardware						
ProLiant 1600 6/500 - 128MB,100TX Nic	386746-001	1	2,685	4	10,739	
ProLiant 1600 6/500 Processor Option Kit	401268-B21	1	1,399	4	5,596	
128-Megabyte SD DIMM Kit	313615-B21	1	202	12	2,419	
Compaq VGA V55 Color Monitor	308006-001	1	203	4	811	
4.3GB Wide Ultra2 SCSI Hard Drive	349513-B21	1	469	4	1,877	
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12	1	259	8		2,072
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Allstar	1				1,715
Subtotal					21,441	3,787
Client Software						
Microsoft Windows 2000 Server	Microsoft	2	809	4	3,236	Incl. Above
Subtotal					3,236	0
User Connectivity						
Compaq Dual Speed Switch SW3322	355310-B21	Compaq	1,679	4	6,716	See Note 1
8-port 10BaseT hub		Generic	29.00	2975	86,275	See Note 1
Subtotal					92,991	0
Large Purchase and Cash discount	9.0%	1			(\$38,674)	(\$3,774)
Total					\$428,322	\$48,635
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 pricing specifications. If you find that the stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.				Five-Year Cost of Ownership: \$476,957		
				tpmC Rating: 26686.00		
				\$ / tpmC: \$17.88		
Pricing: 1=Allstar Systems 2= Microsoft						
Note 1 = 5 Year warranty with 10% Spares -						
Note: The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.						

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput

26686.00 tpmC

% throughput difference, reported & reproducibility runs

0.09%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.47	0.73	5.01
Payment	0.38	0.70	6.06
Order-Status	0.23	0.28	2.02
Delivery (interactive portion)	0.11	0.12	0.53
Delivery (deferred portion)	0.40	0.58	1.27
Stock-Level	1.93	2.40	5.74
Menu	0.11	0.12	0.83

Transaction Mix, in percent of total transaction

New-Order	44.78%
Payment	43.10%
Order-Status	4.03%
Delivery	4.04%
Stock-Level	4.05%

Emulation Delay (in seconds)

	Resp.Time	Menu
New-Order	0.10	0.10
Payment	0.10	0.10
Order-Status	0.10	0.10
Delivery (interactive)	0.10	0.10
Stock-Level	0.10	0.10

Keying/Think Times (in seconds)

	Min.	Average	Max.
New-Order	18.00/0.00	18.01/12.22	18.03/122.41
Payment	3.00/0.00	3.01/12.22	3.03/122.41
Order-Status	2.00/0.00	2.01/10.17	2.03/101.99
Delivery (interactive)	2.00/0.00	2.01/5.14	2.03/51.00
Stock-Level	2.00/0.00	2.01/5.10	2.03/50.99

Test Duration

Ramp-up time	30 minutes
Measurement interval	20 minutes
Transactions (all types) completed during measurement interval	1191961
Ramp down time	35 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	20 minutes