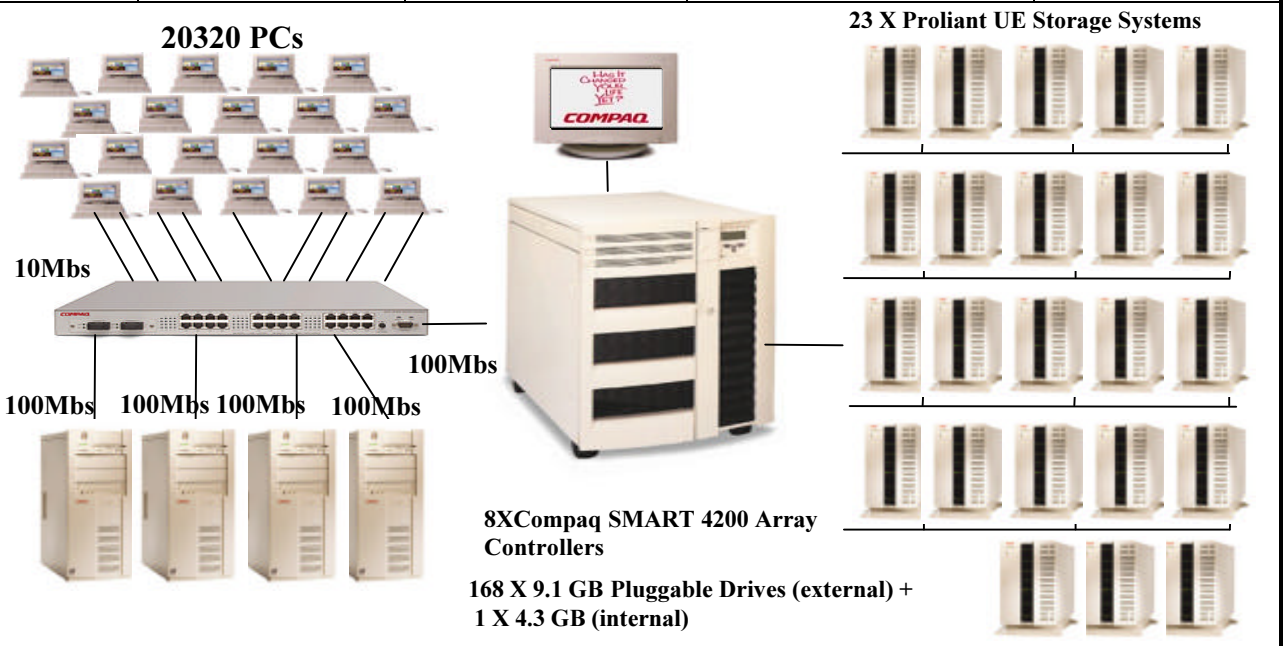
Compaq Computer Corporation	ProLiant 7000-500-2S C/S with 4 ProLiant 1600	TPC-C Rev. 3.5 Report Date: Sept 20,1999

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
$462,100	**25139.13**	**$18.39**	**Dec 31, 1999***

Processors	Database	Operating System	Other Software	Number Users
4 Pentium III Xeon 500 MHz	Microsoft SQL Server 7.0 Enterprise Edition	Windows NT 4.0 Enterprise Edition (SP4)	Microsoft Visual C++ MKS Toolkit for NT Microsoft COM+	**20320**



	Server		Each Client	
System Components	Quantity	Description	Quantity	Description
Processor	4	500MHz Pentium III Xeon w/ 2MB Cache	2	500MhzPentium 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		2.2214 TeraBytes		4.3 GB
Tape Drives	1	4/16 TurboDAT		

*** Hardware availability date September 20, 1999**

Compaq Computer Corporation	ProLiant 7000- 6/500-2S Client/Server				TPC-C Rev. 3.5 Report Date:		20-Sep-99
Description	**Part Number**	**Third Party Brand**	**Pricing**	**Unit Price**	**Qty**	**Extended Price**	**5 yr. Maint. Price**
Server Hardware							
ProLiant 7000-6/500-2S 2 x Pentium II Xeon/500MHz - 2MB Cache 3 x Integrated Fast-SCSI-3 Controller CD-ROM, 4250ES SMART Cont. ,512MB Memory 10/100 Ethernet Controller	112893-001		1	28,728	1	28,728	
Compaq NC3123 Fast Ethernet NIC PCI, 10/100 WOL	174830-B21		1	75	1	75	
ProLiant Xeon 500 - 2MB Processor Kit	328814-B21		1	6,048	2	12,096	
512MB EDO DIMM Memory Kit (50ns)	328582-B21		1	1,677	7	11,736	
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	
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				24,584
					Subtotal	**307,298**	**37,508**
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	2,083	4	8,333	
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	
Year	FM-LOPRT-12		1	259	8		2,072
Standard Service		Allstar	1				1,523
					Subtotal	**19,036**	**3,595**
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	1,679	4	6,716	See Note 1
8-port 10BaseT hub		Generic	1	29.00	2799	81,171	See Note 1
					Subtotal	**87,887**	**0**
Large Purchase and Cash discount	**9.0%**		1			**($37,280)**	**($3,699)**
					Total	**$414,222**	**$47,878**

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: $462,100

tpmC Rating: 25139.13

$ / tpmC: $18.39

Pricing: 1=Allstar Systems 2= Microsoft

Note 1 = 5 Year warranty with 10% Spares -

Note:The benchmark results and test methodology were audited by Tom Sawyer of Performance Metrics, Inc.

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput — 25139.13 tpmC

% throughput difference, reported & reproducibility runs: 0.19%

Response Times (in seconds)	Average	90%	Maximum
New-Order	0.52	0.89	5.72
Payment	0.21	0.27	1.83
Order-Status	0.24	0.29	5.25
Delivery (interactive portion)	0.11	0.11	0.20
Delivery (deferred portion)	0.40	0.55	1.14
Stock-Level	1.96	2.61	8.88
Menu	0.11	0.12	0.86

Transaction Mix, in percent of total transaction

New-Order	44.77%
Payment	43.11%
Order-Status	4.04%
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	18.01/12.25	18.03/122.41
Payment	3.00/0.00	3.01/12.22	3.08/122.41
Order-Status	2.00/0.00	2.01/10.15	2.03/102.00
Delivery (interactive)	2.00/0.00	2.01/5.12	2.02/51.00
Stock-Level	2.00/0.00	2.01/5.11	2.05/51.00

Test Duration

Ramp-up time	41 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	1684639
Ramp down time	54 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes