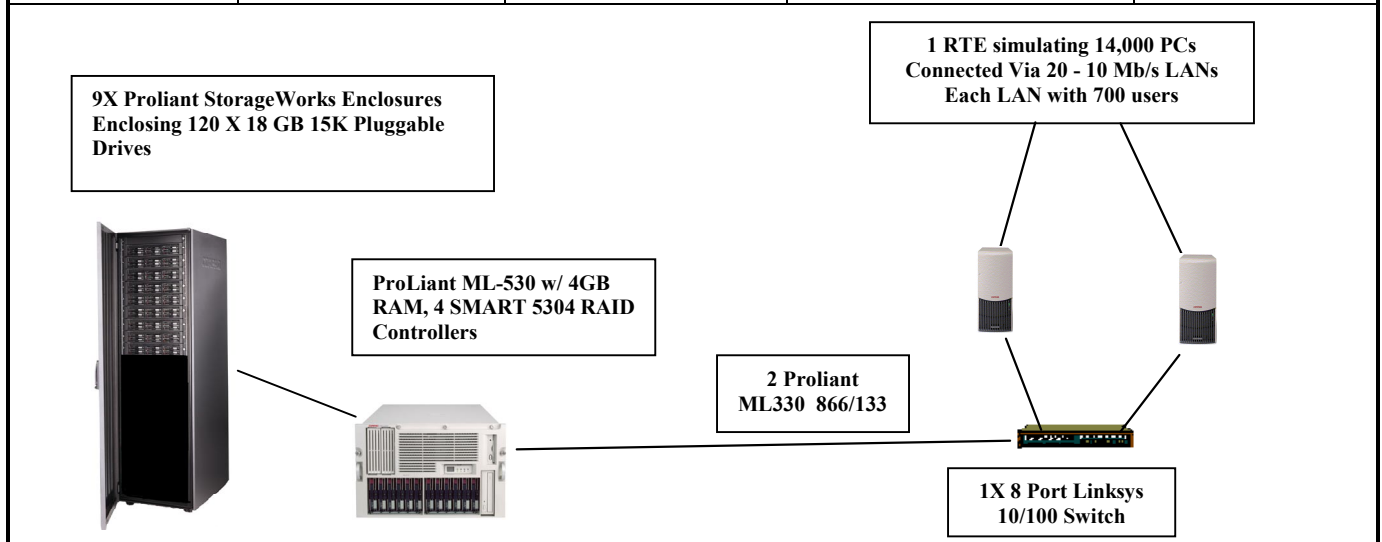


Compaq Computer Corporation	ProLiant ML530R-X1000-2P	TPC-C Rev. 5.0
	C/S with 2 ProLiant ML330T	Report Date: Sept.26, 2001

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$169,758	17335.75	\$9.80	Sept. 26, 2001

Processors	Database Manager	Operating System	Other Software	Number of Users
2 Pentium III Xeon 1 GHz – Server 2 Pentium III 866MHz – Clients	Microsoft SQL Server 2000 Enterprise Edition	Windows 2000 Server	Microsoft Visual C++ Microsoft COM+	14000



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	2	1Ghz Pentium III Xeon w/ 256K Cache	1	866MhzPentium III w/ 256K cache
Memory	8	512MB	4	128MB
Disk Controllers	4	SMART 5304 Array Controller	1	Integrated Ultra SCSI Controller
Disk Drives	1	9.1GB SCSI Drive	1	9.1GB SCSI Drive
	120	18GB SCSI Drive		
Total Storage		1.988740 Terabytes		9.1GB
Tape Drives	1	4/8 GB SLR Internal		

Compaq Computer Corporation		ProLiant ML530R-X100-2P			TPC-C Rev. 5.0		
		Client/Server			Report Date:	26-Sep-01	
Description	Part Number	Third Party Brand	Unit Price	Qty	Extended Price	3 yr. Maint. Price	
Server Hardware							
ProLiant ML530R01 X1000/133-256K 128MB - 1 Pentium III Xeon/1000MHz 258KB Cache - CD-ROM 24X ,Integrated SCSI Controller	161153-001		1	3,949	1	3,949	
Pentium III Xeon X1000 (256KB cache) Processor Option	128283-B21		1	999	1	999	
1GB 133MHz SDRAM DIMM Memory (2x512MB)	201694-B21		1	999	4	3,996	
Compaq Rack Model 9142 (42U - Opal) - Shock Pallet	120663-B22		1	1,465	1	1,465	
Side Panel Kit - 9142 Rack	120670-B21		1	212	1	212	
StorageWorks Enclosure Model 4314R - Rack-mountable	190209-001		1	2,955	8	23,640	
StorageWorks Enclosure Model 4354R	190211-001		1	3,523	1	3,523	
R3000 UPS	242705-001		1	1,431	1	1,431	
Smart Array 5304/128 Controller	158939-B21		1	2,499	4	9,996	
V570 Color Monitor - 15 inch CRT - Opal	228114-001		1	159	1	159	
Deskpro Easy Access Keyboard	122660-006		1	44	1	44	
Compaq Scroll Mouse	170299-B21		1	23	1	23	
12/24-Gigabyte DAT Drive (Internal)	295513-B22		1	682	1	682	
9.1-GB Pluggable Wide Ultra2 Universal 10K Drive (1")	328939-B22		1	477	1	477	
18.2 GB Hot-Plug Wide U3 15K 1"	188122-B22		1	679	120	81,480	
18.2 GB Hot-Plug Wide U3 15K 1"	188122-B22		1	679	12		8,148
- (10% spares for all drives)							
CarePaq Service - Departmental Servers - 3 year, 7x24, 4 hour Response	FM-MI724-36		1	1,795	1		1,795
CarePaq Service - 42xx/43xx Enclosure - 3 year, 7x24, 4 hour Response	FM-4E724-36		1	157	9		1,413
Subtotal						132,076	11,356
Server Software							
Microsoft SQL Server 2000 Enterprise Edition - (per processor)	810-00845	Microsoft	2	17,279	2	34,558	6,285
Microsoft Visual C++ 6.0	048-00317	Microsoft	2	549	1	549	Incl Above
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	1	738	Incl Above
Subtotal						35,845	6,285
Client Hardware							
ProLiant ML330T P866/133 128MB NHP --- -- Integrated Dual Wide-Ultra2 controller, 10/100 T/X NIC,	175951-001		1	1,250	2	2,500	
128 Reg 133MHz SDRAM DIMM	128277-B21		1	125	6	750	
NC3123 Fast Ethernet NIC PCI 10/100 Wake on LAN	174830-B21		1	98	4	392	
V570 Color Monitor - 15 inch CRT - Opal	228114-001		1	159	2	318	
9.1 Gigabyte Wide Ultra2 SCSI Hard Drive	120204-B21		1	434	2	868	
CarePaq Service - Entry Workgroup Servers - 3 year, 7x24, 4 hour Response	FM-EL724-36		1	750	2		1,500
Subtotal						4,828	1,500
Client Software							
Microsoft Windows 2000 Server		Microsoft	2	738	2	1,476	Incl. Above
Subtotal						1,476	0
Connectivity							
LinkSys 8 Port 10/100 Switch EZX#88R	DEH4162	Linksys	3	118	3	354	See Note 1
Large Purchase and Cash discount (See Note 2)	16.0%		1			(\$21,905)	(\$2,057)
Total						\$152,674	\$17,084
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.					Three Year Cost of Ownership: \$169,758		
					tpmC Rating: 17335.75		
					\$/ tpmC: \$9.80		
Pricing: 1=Compaq Direct 2= Microsoft 3=USAA Online Shopping Mall Note 1 = 5 Year warranty with 10% Spares - Note 2 = Discount based on Compaq Direct guidance and large cash purchase level.							
Note:The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.							

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput

17335.75 tpmC

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.58	0.97	8.11
Payment	0.51	0.89	7.68
Order-Status	0.52	0.91	6.95
Delivery (interactive portion)	0.10	0.11	0.15
Delivery (deferred portion)	0.24	0.38	1.56
Stock-Level	1.31	1.86	9.37
Menu	0.10	0.11	0.92

Transaction Mix, in percent of total transaction

New-Order	44.87%
Payment	43.03%
Order-Status	4.04%
Delivery	4.02%
Stock-Level	4.03%

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	18.02/12.11	18.06/121.12
Payment	3.00/0.00	3.02/12.09	3.05/121.11
Order-Status	2.00/0.00	2.02/10.12	2.05/101.00
Delivery (interactive)	2.00/0.00	2.02/5.09	2.04/50.81
Stock-Level	2.00/0.00	2.02/5.11	2.06/50.81

Test Duration

Ramp-up time	54 minutes
Measurement interval	120 minutes
Transactions (all types) completed during measurement interval	4,822,222
Ramp down time	96 minutes

Checkpointing

Number of checkpoints	4
Checkpoint interval	30 minutes