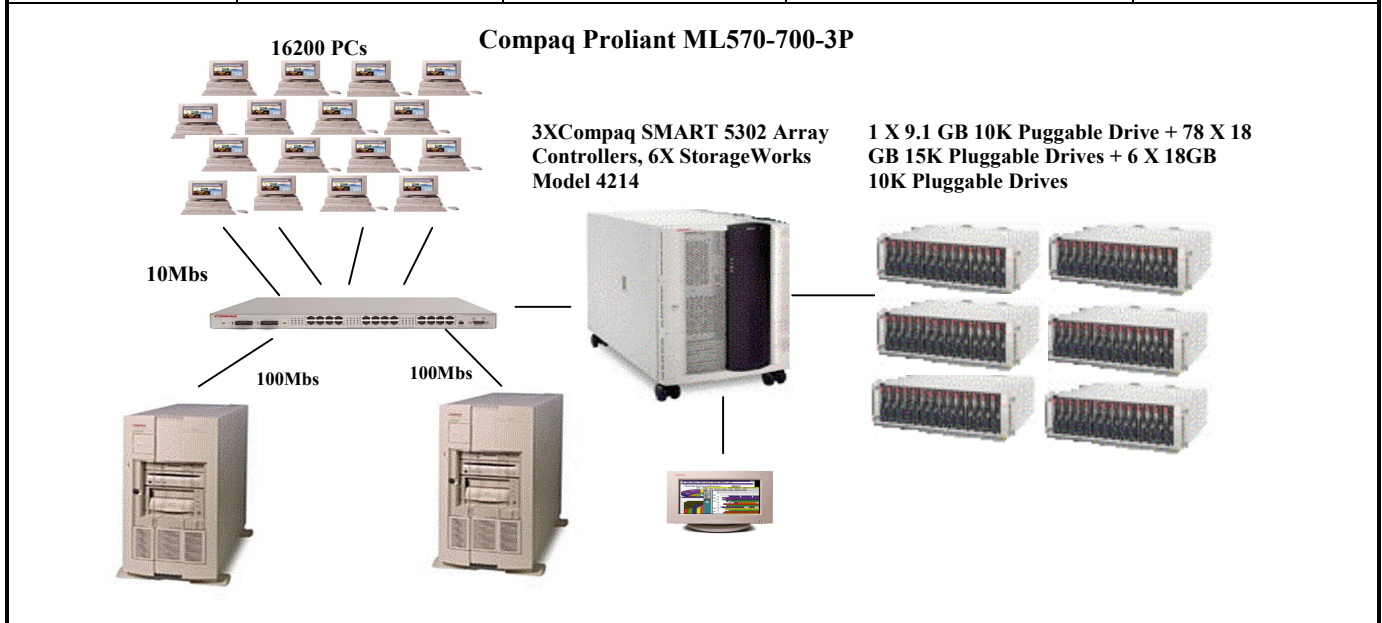


Compaq Computer Corporation	ProLiant ML570-700-3P	TPC-C Rev. 5.0 Upgrade
	Upgrade Date July 27, 2001	Report Date: Aug 21,2000
C/S with 2 ProLiant ML350		

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$113,798	20207.20	\$5.64	Sept 26, 2000

Processors	Database	Operating System	Other Software	Number Users
3 Pentium III Xeon 700 MHz	Microsoft SQL Server 2000 Standard Edition	Windows 2000 Server	Microsoft Visual C++ Microsoft COM+	16200



	Server		Each Client	
System Components	Quantity	Description	Quantity	Description
Processor	2	700MHz Pentium III Xeon w/ 1MB Cache	1	Pentium III 933MHz , 256KB cache 10/100 T/X NIC,
	1	700MHz Pentium III Xeon w/ 2MB Cache		
Memory	8	256MB	1	128MB
	4	128MB	1	256MB
Disk Controllers	3	SMART SCSI Array Controller 5302	1	Integrated Dual Wide-Ultra2 controller,
	1	Integrated SCSI Array Controller		
Disk Drives	1	9.1GB SCSI Drive	1	9.1GB SCSI Drive
	84	18GB SCSI Drive		
Total Storage		1.4274 TeraBytes		9.1 GB
Tape Drives	1	12/24-GB DAT Drive		

Compaq Computer Corporation		ProLiant ML570-700		TPC-C Rev. 5.0			
		Client/Server		Report Date:	27-Jul-01		
Description	Part Number	Third Party Brand	Unit Price	Qty	Extended Price	3 yr. Maint. Price	
Server Hardware							
						Brand Pricing	
ProLiant ML570T X700 1MB 512	138665-001		1	6,307	1	6,307	
- 1 Pentium III Xeon/700MHz 1MB Cache							
- 512MB SDRAM Memory							
- CD-ROM 24X ,NC3134 10/100 NIC							
XN700 1M S2 Processor Kit	174448-B21		1	1,759	1	1,759	
XN700 2M S2 Processor Kit	174449-B21		1	3,099	1	3,099	
1GB SDRAM (4x256) memory module	189081-B21		1	1,099	2	2,198	
Integrated Smart Array Controller	128293-B21		1	454	1	454	
StorageWorks Enclosure Model 4214R	190209-001		1	2,913	6	17,478	
Compaq SMART Array Controller 5302 - 2 SCSI Chan.	166207-B21		1	1,299	3	3,897	
Compaq V570 Color Monitor	228114-001		1	179	1	179	
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	670	78	52,260	
18.2GB Pluggable Ultra2 SCSI Universal 10K Drive (1")	142673-B22		1	423	6	2,538	
18.2 GB Hot-Plug Wide U3 15K 1" (10% spares for all driv	188122-B22		1	670	9	6,030	
CarePaq Service - Departmental Servers 3Yr,7x24,4hr Re	FM-MI724-36		1	1,795	1	1,795	
CarePaq Service - 42xx/43xx Enclosure 3Yr,7x24,4hr Res	FM-4E724-36		1	157	6	942	
					Subtotal	91,328	8,767
Server Software							
Microsoft SQL Server 2000 Standard (per processor)		Microsoft	2	12,813	1	12,813	
Microsoft Visual C++ 6.0		Microsoft	2	549	1	549	
Microsoft Windows 2000 Server		Microsoft	2	738	1	738	
					Subtotal	14,100	6,285
Client Hardware							
ProLiant ML350T P933/133 128MB NHP	170475-001		1	1,449	2	2,898	
-- Pentium III 933MHz , 256KB level two ECC cache, -----							
-- Integrated Dual Wide-Ultra2 controller, 10/100 T/X NIC,							
256 Reg 133MHz SDRAM DIMM	128278-B21		1	250	2	500	
NC3123 Fast Ethernet NIC PCI 10/100 Wake on LAN	174830-B21		1	98	2	196	
Compaq V570 Color Monitor	228114-001		1	179	2	358	
9.1 Gigabyte Wide Ultra2 SCSI Hard Drive	120204-B21		1	434	2	868	
CarePaq Service - Entry Workgroup Servers 3Yr,7x24,4hr	FM-EL724-36		1	750	2	1,500	
					Subtotal	4,820	1,500
Client Software							
Microsoft Windows 2000 Server		Microsoft	2	738	2	1,476	
					Subtotal	1,476	0
Connectivity							
LinkSys 8 Port 10/100 Switch EZX#88R	DEH4162	Linksys	3	140	3	420	
						See Note 1	
Large Purchase and Cash discount (See Note 2)	14.0%		1				
						(\$13,461)	(\$1,437)
					Total	\$98,683	\$15,115
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:	\$113,798
						tpmC Rating:	20207.20
						\$ / tpmC:	\$5.64
Pricing: 1=Compaq Direct 2= Microsoft 3=PC Connection 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

20207.20 tpmC

% throughput difference, reported & reproducibility runs

0.398%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.38	0.54	2.54
Payment	0.21	0.33	2.20
Order-Status	0.26	0.39	2.48
Delivery (interactive portion)	0.10	0.11	0.16
Delivery (deferred portion)	0.77	1.25	4.02
Stock-Level	2.59	3.49	5.53
Menu	0.10	0.11	0.63

Transaction Mix, in percent of total transaction

New-Order	44.83%
Payment	43.04%
Order-Status	4.04%
Delivery	4.05%
Stock-Level	4.04%

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	18.01/12.10	18.03/121.20
Payment	3.00/0.00	3.01/12.11	3.03/121.21
Order-Status	2.00/0.00	2.01/10.09	2.03/100.99
Delivery (interactive)	2.00/0.00	2.01/5.07	2.02/50.49
Stock-Level	2.00/0.00	2.01/5.04	2.02/50.49

Test Duration

Ramp-up time	69 minutes
Measurement interval	20 minutes
Transactions (all types) completed during measurement interval	901466
Ramp down time	54 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	20 minutes