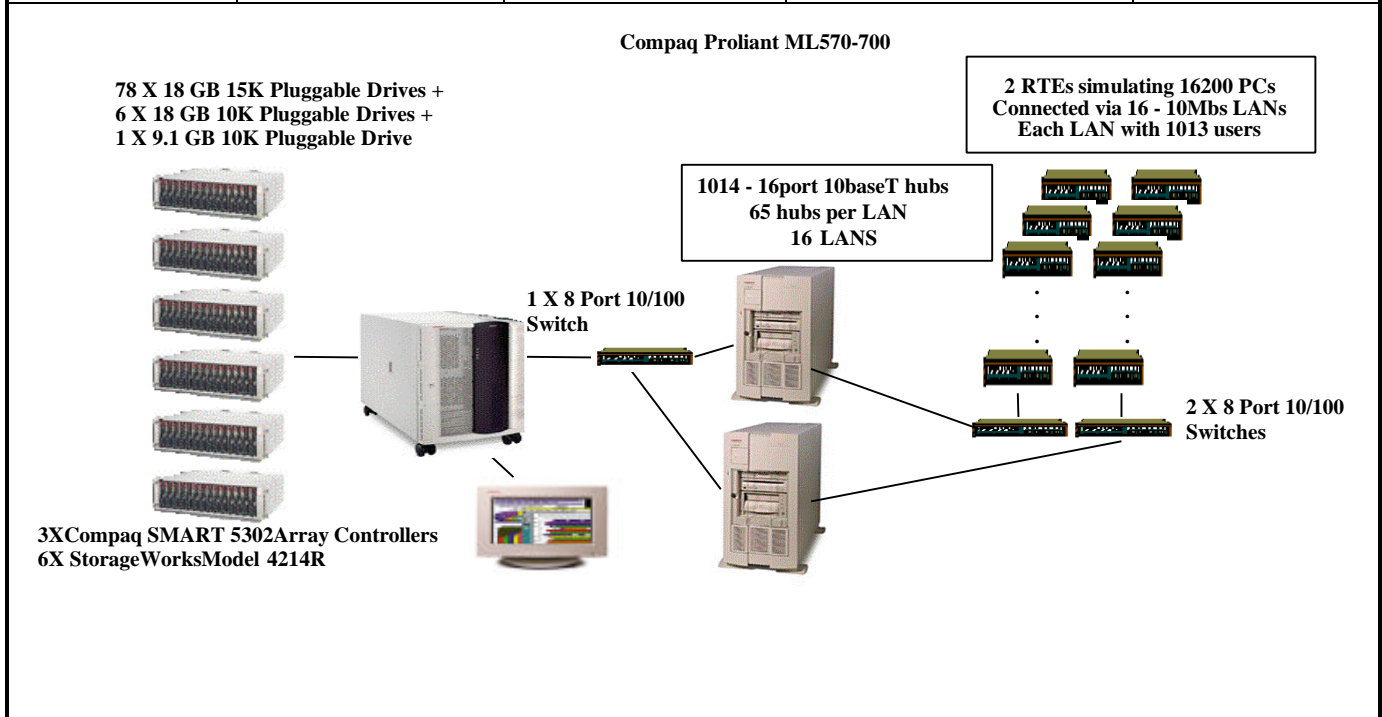


Compaq Computer Corporation		ProLiant ML570-700-3P C/S with 2 ProLiant ML350		TPC-C Rev. 3.5 Report Date: Jan 8, 2001	
Total System Cost		TPC-C Throughput		Price/Performance	
<b>\$191,982</b>		<b>20207.20</b>		<b>\$9.51</b>	
Availability Date		Operating System		Number Users	
<b>Sept 26, 2000</b>		Windows 2000 Server		<b>16200</b>	
Processors		Database		Other Software	
3 Pentium III Xeon 700 MHz		Microsoft SQL Server 2000 Standard Edition		Microsoft Visual C++ Microsoft COM+	



	Server		Each Client	
System Components	Quantity	Description	Quantity	Description
Processor	2	700MHz Pentium III Xeon w/ 1MB Cache	1	733MhzPentium III w/ 256K cache
	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 Ultra SCSI 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	4/8 SLR Tape Drive		

Compaq Computer Corporation		ProLiant ML570-700		TPC-C Rev. 3.5			
		Client/Server		Report Date:		8-Jan-01	
Description	Part Number	Third Party Brand	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
<b>Server Hardware</b>							
Proliant ML570T X700 1MB 512	138665-001		7,729	1	7,729		
- 1 Pentium III Xeon/700MHz 1MB Cache							
- 512MB SDRAM Memory							
- CD-ROM 24X ,NC3134 10/100 NIC							
XN700 1M S2 Processor Kit	174448-B21		2,689	1	2,689		
XN700 2M S2 Processor Kit	174449-B21		4,928	1	4,928		
1GB SDRAM (4x256) memory module	189081-B21		3,305	2	6,610		
Integrated Smart Array Controller	128293-B21		448	1	448		
StorageWorks Enclosure Model 4214	103381-001		2,913	6	17,479		
Compaq SMART Array Controller 5302 - 2 SCSI Chan.	166207-B21		1,478	3	4,435		
Compaq S510 Color Monitor - 15 inch CRT	168636-001		181	1	181		
4/8-GB SLR Tape Drive - Internal	295480-B22		449	1	449		
9.1 GB Hot-Plug Wide U2 10K 1"	328939-B22		470	1	470		
18.2 GB Hot-Plug Wide U3 15K 1"	188122-B22		940	78	73,295		
18.2GB Pluggable Ultra2 SCSI Universal 10K Drive (1")	142673-B22		698	6	4,187		
ProLiant Enterprise Server - Parts Exchange - 1 Year	FM-HEPRT-12		597	2		1,194	
ProLiant Storage System - Parts Exchange - 1 Year	FM-STPRT-12		255	12		3,060	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Amherst			1		9,832	
					<b>Subtotal</b>	<b>122,901</b>	<b>14,086</b>
<b>Server Software</b>							
Microsoft SQL Server 2000 Standard (per processor pricing)		Microsoft	4,271	3	12,813	10,475	
Microsoft Visual C++ 6.0		Microsoft	549	1	549	Incl Above	
Microsoft Windows 2000 Server		Microsoft	738	1	738	Incl Above	
					<b>Subtotal</b>	<b>14,100</b>	<b>10,475</b>
<b>Client Hardware</b>							
ProLiant ML350T01 6/733-256 M1	158341-001		1,513	2	3,026		
128 Reg 133MHz SDRAM DIMM	128277-B21		312	2	625		
NC3123 Fast Ethernet NIC PCI 10/100 Wake on LAN	174830-B21		97	2	195		
Compaq S510 Color Monitor - 15 inch CRT	168636-001		181	2	363		
9.1 Gigabyte Wide Ultra2 SCSI Hard Drive	120204-B21		438	2	876		
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12		259	4		1,036	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Amherst			1		407	
					<b>Subtotal</b>	<b>5,085</b>	<b>1,443</b>
<b>Client Software</b>							
Microsoft Windows 2000 Server		Microsoft	738	2	1,476	Incl. Above	
					<b>Subtotal</b>	<b>1,476</b>	<b>0</b>
<b>User Connectivity</b>							
LinkSys 8 Port 10/100 Switch EZX#88R	DEH4162	Linksys	135	5	675	See Note 1	
ARK 17-port 16-10BaseT 1-10Base2 (BNC) hub	CT1017D1	ArkPC	31.00	1118	34,658	See Note 1	
					<b>Subtotal</b>	<b>35,333</b>	<b>0</b>
Large Purchase and Cash discount	9.0%			1			
						<b>(\$11,519)</b>	<b>(\$1,398)</b>
					<b>Total</b>	<b>\$167,376</b>	<b>\$24,606</b>
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 <a href="mailto:pricing@tpc.org">pricing@tpc.org</a> . Thank you.				<b>Five-Year Cost of Ownership: \$191,982</b>			
				<b>tpmC Rating: 20207.20</b>			
				<b>\$ / tpmC: \$9.51</b>			
Pricing: 1=Amherst Computer Products 2= Microsoft 3=Combined Digital 4=ArkPC							
Note 1 = 5 Year warranty with 10% Spares -							
Note:The benchmark results and test methodology were audited by Loma 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)

	<b>Average</b>	<b>90%</b>	<b>Maximum</b>
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)

	<b>Resp.Time</b>	<b>Menu</b>
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)

	<b>Min.</b>	<b>Average</b>	<b>Max.</b>
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