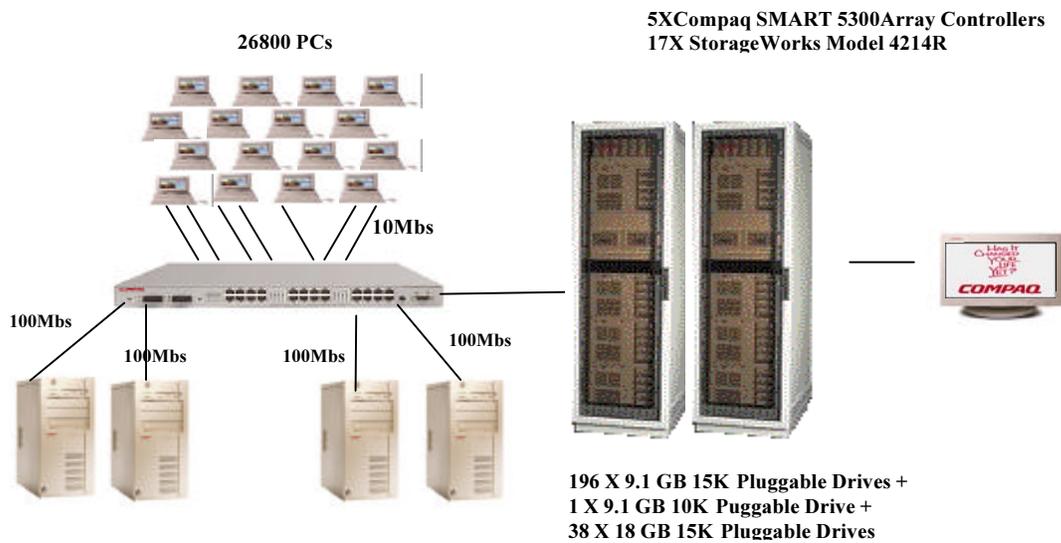


Compaq Computer Corporation		ProLiant DL580-700 C/S with 4 ProLiant ML370		TPC-C Rev. 3.5 Report Date: June 23,2000					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
<b>\$472,032</b>		<b>33507.75</b>		<b>\$14.09</b>		<b>Aug 1, 2000</b>			
Processors		Database		Operating System		Other Software		Number Users	
4 Pentium III Xeon 700 MHz		Microsoft SQL Server 2000 Enterprise Edition		Windows 2000 Advanced Server (SP1)		Microsoft Visual C++ Microsoft COM+		<b>26800</b>	

**Compaq Proliant DL580-700**



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	4	700MHz Pentium III Xeon w/ 2MB Cache	2	733MhzPentium III w/ 256K cache
Memory	16	512MB	4	128MB
Disk Controllers	5	SMART SCSI Array Controller 5300	1	Integrated Ultra SCSI Controller
Disk Drives	197 38	9.1GB SCSI Drive 18GB SCSI Drive	1	9.1GB SCSI Drive
Total Storage		2.2720 TeraBytes		9.1 GB
Tape Drives	1	4/8 DAT		

Compaq Computer Corporation	ProLiant DL580-700		TPC-C Rev. 3.5			
	Client/Server		Report Date:	23-Jun-00		
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price
<b>Server Hardware</b>						
<b>Brand Pricing</b>						
ProLiant DL-580R-6/700-2	155618-001		17,584	1	17,584	
- 2 Pentium III Xeon/700MHz 2MB Cache						
- 512MB SDRAM Memory						
- CD-ROM 24X ,NC3134 Dual Port 10/100 NIC						
Pentium Xeon - XN700 2M S2	174449-B21	1	6,048	2	12,096	
512MB SDRAM Memory Kit	189080-B21	1	1,635	15	24,528	
Compaq SMART Array Controller 5304 - 4 SCSI Chan.	158939-B21	1	2,463	4	9,852	
Compaq SMART Array Controller 5302 - 2 SCSI Chan.	166207-B21	1	1,477	1	1,477	
StorageWorks Enclosure Model 4214R	103381-001	1	2,912	17	49,504	
Dual I/O Module for StorageWorks 4214R	119829-B21	1	336	1	336	
Compaq NC3123 PCI FastEthernet Controller	174830-B21	1	75	1	75	
Compaq V500 Color Monitor	325900-001	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	
9.1 GB Hot-Plug Wide U2 10K 1"	328939-B22	1	503	1	503	
9.1 GB Hot-Plug Wide U3 15K 1"	188120-B21	1	581	196	113,931	
R3000 UPS	242705-001	1	1,786	2	3,573	
18.2 GB Hot-Plug Wide U3 15K 1"	188122-B21	1	940	38	35,708	
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	34		8,670
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Amherst 1				21,903
<b>Subtotal</b>					<b>273,793</b>	<b>31,767</b>
<b>Server Software</b>						
Microsoft SQL Server 2000 Enterprise (per processor)		Microsoft 2	19,999	4	79,996	10,475
Microsoft Visual C++ 6.0		Microsoft 2	549	1	549	Incl Above
Microsoft Windows 2000 Advanced Server		Microsoft 2	3,919	1	3,919	Incl Above
<b>Subtotal</b>					<b>84,464</b>	<b>10,475</b>
<b>Client Hardware</b>						
ML370T P/733-1 - 128MB,100TX Nic	157831-001	1	3,360	4	13,440	
Pentium III 733 MHz Processor Option	161083-B21	1	1,119	4	4,476	
128-Megabyte SD DIMM Kit	128277-B21	1	311	12	3,736	
NC3131 PCI Fast Ethernet Controller	338456-B21	1	280	4	1,120	
Compaq V500 Color Monitor	325900-001	1	203	4	811	
9.1GB Wide U2 10K	328939-B22	1	503	4	2,012	
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		Amherst 1				2,048
<b>Subtotal</b>					<b>25,594</b>	<b>4,120</b>
<b>Client Software</b>						
Microsoft Windows 2000 Server		Microsoft 2	999	4	3,996	Incl. Above
<b>Subtotal</b>					<b>3,996</b>	<b>0</b>
<b>User Connectivity</b>						
ARK 16 Port 10-100 Switch (8K MAC addresses)	CT2216D ArkPC	3	275	7	1,925	See Note 1
ARK 17-port 16-10BaseT 1-10Base2 (BNC) hub	CT1017D1 ArkPC	3	37.00	1848	68,376	See Note 1
<b>Subtotal</b>					<b>70,301</b>	<b>0</b>
<b>Subtotal</b>					<b>379,754</b>	<b>36,362</b>
Large Purchase and Cash discount	9.0%	1			(\$29,248)	(\$3,230)
<b>Total</b>					<b>\$428,900</b>	<b>\$43,132</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 pricing@tpc.org. Thank you.					<b>Five-Year Cost of Ownership: \$472,032</b>	
					<b>tpmC Rating: 33507.75</b>	
					<b>\$ / tpmC: \$14.09</b>	
Pricing: 1=Amherst Systems 2= Microsoft 3=I-Market.com						
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**

**33507.75 tpmC**

% throughput difference, reported & reproducibility runs

0.002%

### Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.22	0.29	5.13
Payment	0.14	0.18	0.81
Order-Status	0.17	0.21	4.97
Delivery (interactive portion)	0.10	0.11	0.12
Delivery (deferred portion)	0.27	0.44	1.75
Stock-Level	0.99	1.38	2.25
Menu	0.10	0.11	0.84

### Transaction Mix, in percent of total transaction

New-Order	44.82%
Payment	43.03%
Order-Status	4.02%
Delivery	4.06%
Stock-Level	4.06%

### 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	18.02/12.23	18.03/122.41
Payment	3.00/0.00	3.02/12.24	3.03/122.41
Order-Status	2.00/0.00	2.02/10.19	2.03/102.00
Delivery (interactive)	2.00/0.00	2.02/5.11	2.03/51.00
Stock-Level	2.00/0.00	2.02/5.11	2.03/51.00

### Test Duration

Ramp-up time	33 minutes
Measurement interval	20 minutes
Transactions (all types) completed during measurement interval	1495321
Ramp down time	68 minutes

### Checkpointing

Number of checkpoints	1
Checkpoint interval	20 minutes