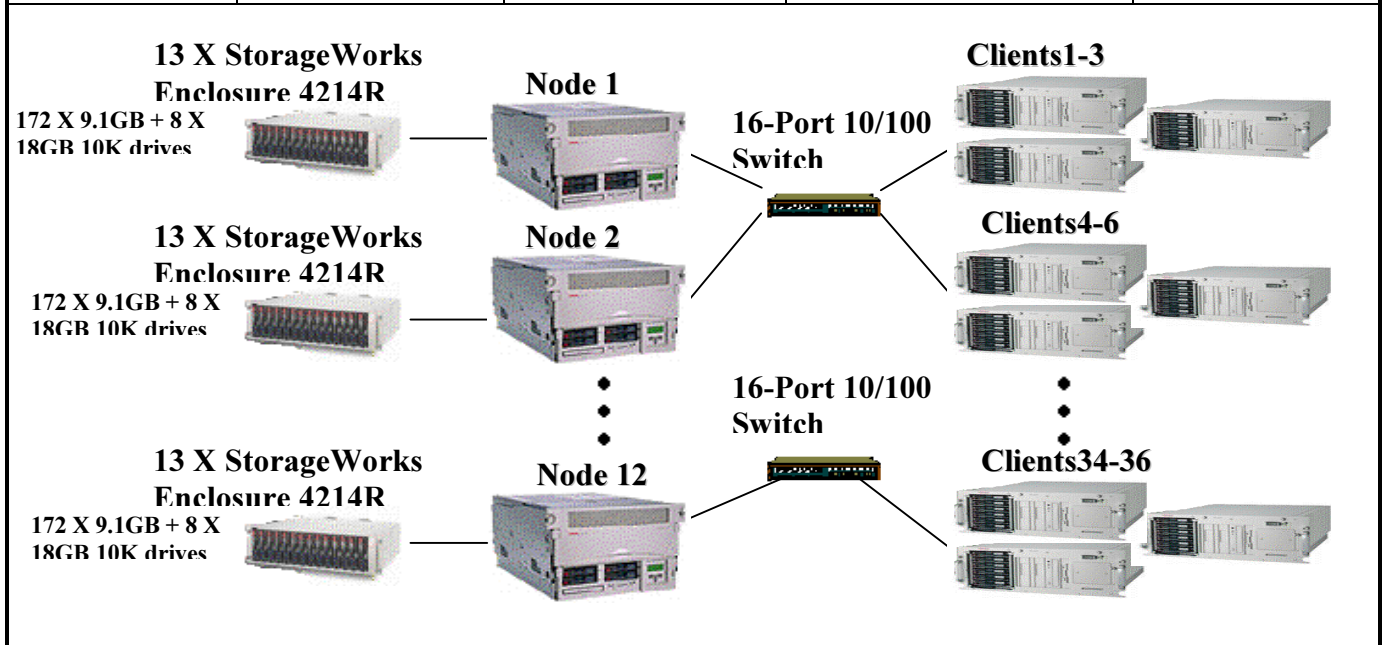


Compaq Computer Corporation		ProLiant 8500-700-96P Client/Server		TPC-C Rev. 3.5	
				Report Date: Jul 25,2000	
Total System Cost		TPC-C Throughput		Price/Performance	
<b>\$5,305,571</b>		<b>262,243.60</b>		<b>\$20.24</b>	
Availability Date					
<b>Sep 30, 2000</b>					
Processors	Database	Operating System	Other Software	Number Users	
96 Pentium III Xeon 700 MHz	Microsoft SQL Server 2000 Enterprise Edition	Windows 2000 Advanced Server	Microsoft Visual C++ MKS Toolkit for NT Microsoft COM+	<b>216000</b>	



	Server		Clients	
System Components	Quantity	Description	Quantity	Description
Processor	96	700MHz Pentium III Xeon w/ 2MB Cache	34	Pentium III 600Mhz/512K
			12	Pentium III 550Mhz/512K
			26	Pentium III 733Mhz/512K
Memory	192	512MB	144	128MB
Disk Controllers	60	Compaq SMART Array Controller 5304	23	Integrated Ultra SCSI Controller
	12	Integrated SCSI RAID Controller	13	Integrated SCSI RAID Controller
Disk Drives	2064	9.1GB 10K Ultra2 Universal SCSI Drives	36	9.1GB 10K Ultra2 SCSI Drives
	96	18GB 10K Ultra2 Universal SCSI Drives		
Total Storage		18.7 TeraBytes		304.9 GB
Tape Drives	1	4/8 GB SLR Tape Drive		

Compaq Computer Corporation		ProLiant 8500-700-96P			TPC-C Rev. 3.5		
		Client/Server			Report Date:	25-Jul-00	
Description	Part Number	Third Party Brand	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
<b>Server Hardware</b>							
ProLiant 8500R X700-2M 8P 4G	168758-001	1	78,400	12	940,800		
- 8 Pentium III Xeon/700MHz 2MB Cache							
- 4 GB SD RAM - Dual 10/100 Ethernet Controller							
1G-Memory Kit SDRAM	328808-B21	1	4,301	48	206,438		
NC3122 PCI Dual 10/100 Controller	317450-B21	1	263	12	3,158		
Compaq SMART Array Controller 5304 - 4 SCSI Chan.	158939-B21	1	2,463	60	147,773		
StorageWorks Enclosure Model 4214R	103381-001	1	2,912	156	454,272		
Dual I/O Module for StorageWorks 4214R	119829-B21	1	560	12	6,720		
Compaq V500 Color Monitor	325900-001	1	172	12	2,070		
4/8-GB SLR Tape Drive - Internal	295480-B22	1	448	1	448		
Compaq Rack Model 7142	165753-001	1	1,680	15	25,200		
Compaq Rack Coupling Kit	165664-001	1	152	14	2,132		
Compaq Rack Sidewall Kit	165652-001	1	208	1	208		
R3000 UPS	242705-001	1	1,786	14	25,010		
ServerNet II PCI Adapter	422869-001	1	890	12	10,685		
ServerNet II 12 Port Switch	452219-001	1	4,984	2	9,968		
LinkSys 16 Port 10/100 Switch DSSX16	DEH4324	Linksys	3	469	9	4,221	See Note 1
9.1 GB Hot-Plug Wide U2 10K 1"	328939-B22	1	469	2064	968,594		
18.2 GB Hot-Plug Wide U2 10K 1"	128418-B22	1	783	96	75,156		
ProLiant Enterprise Server - Parts Exchange - 1 Year	FM-HEPRT-12	1	597	24		14,328	
ProLiant Storage System - Parts Exchange - 1 Year	FM-STPRT-12	1	255	24		6,120	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Amhurst	1			230,628	
					<b>Subtotal</b>	<b>2,882,854</b>	<b>251,076</b>
<b>Server Software</b>							
Microsoft SQL Server 2000 Enterprise	810-00945	Microsoft	2	15,802	96	1,516,992	125,700
Microsoft Visual C++ 6.0	048-00317	Microsoft	2	549	1	549	Incl Above
Microsoft Windows 2000 Advance Server	C10-00475	Microsoft	2	2,399	12	28,788	Incl Above
					<b>Subtotal</b>	<b>1,546,329</b>	<b>125,700</b>
<b>Client Hardware</b>							
ProLiant 1600 6/600 - 128MB,100TX Nic	153552-001	1	2,688	17	45,696		
Pentium III 600 MHz Processor Option	153555-B21	1	1,007	17	17,117		
ProLiant 1850R 6/550 128MB,100TX Nic	123740-001	1	4,032	6	24,192		
ProLiant DL380 733/133 128MB, TX NIC	157829-001	1	4,592	13	59,696		
128-Megabyte SD DIMM Kit	313615-B21	1	361	69	24,884		
128 MB 133 DIMM	128277-B21	1	311	39	12,143		
Pentium III 550 512KB Processor	153555-B21	1	899	6	5,394		
Pentium III 733/133 Processor	159756-B21	1	783	13	10,177		
NC3122 PCI Dual 10/100 Controller	317450-B21	1	263	48	12,634		
Compaq V500 Color Monitor	325900-001	1	172	36	6,209		
9.1GB Wide U2 10K	328939-B22	1	469	36	16,894		
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12	1	259	72		18,648	
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service		Amhurst	1			18,803	
					<b>Subtotal</b>	<b>235,037</b>	<b>37,451</b>
<b>Client Software</b>							
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	36	26,568	Incl. Above
					<b>Subtotal</b>	<b>26,568</b>	<b>0</b>
<b>User Connectivity</b>							
LinkSys 8 Port 10/100 Switch EZX#88R	DEH4162	LinkSys	3	159	40	6,360	See Note 1
ARK 17-port 16-10BaseT 1-10Base2 (BNC) hub	CT1017D1	ArkPC	4	37.00	14890	550,930	See Note 1
					<b>Subtotal</b>	<b>557,290</b>	<b>0</b>
Large Purchase and Cash discount	9.0%	Amhurst	1			<b>(\$330,766)</b>	<b>(\$25,967)</b>
					<b>Total</b>	<b>\$4,917,311</b>	<b>\$388,260</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: \$5,305,571</b>			
				<b>tpmC Rating: 262,243.60</b>			
				<b>\$ / tpmC: \$20.24</b>			
Pricing: 1=Amherst Computer Products 2=Microsoft 3=MicroWAREHOUSE 4=I-Market.com							
Note 1 = 5 Year warranty with 10% Spares -							
Note:The benchmark results and test methodology were audited by Lorna Livingtree and Tom Sawyer of Performance Metrics, Inc.							

## Numerical Quantities Summary

**MQTH, Computed Maximum Qualified Throughput** **262,243.60 tpmC**

% throughput difference, reported & reproducibility runs 0.4%

<b>Response Times (in seconds)</b>	<b>Average</b>	<b>90%</b>	<b>Maximum</b>
New-Order	0.87	1.66	26.49
Payment	0.70	1.46	21.26
Order-Status	0.67	1.40	13.53
Delivery (interactive portion)	0.11	0.11	5.30
Delivery (deferred portion)	0.60	0.93	15.44
Stock-Level	1.61	2.49	14.66
Menu	0.11	0.11	5.53

### Transaction Mix, in percent of total transaction

New-Order	44.82%
Payment	43.06%
Order-Status	4.03%
Delivery	4.05%
Stock-Level	4.04%

<b>Emulation Delay (in seconds)</b>	<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

<b>Keying/Think Times (in seconds)</b>	<b>Min.</b>	<b>Average</b>	<b>Max.</b>
New-Order	18.00/0.00	18.02/12.28	18.04/126.05
Payment	3.00/0.00	3.02/12.29	3.04/122.92
Order-Status	2.00/0.00	2.02/10.23	2.03/102.51
Delivery (interactive)	2.00/0.00	2.02/5.16	2.03/51.51
Stock-Level	2.00/0.00	2.02/5.15	2.03/51.51

### Test Duration

Ramp-up time	74 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	17,551,635
Ramp down time	7 minutes

### Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes