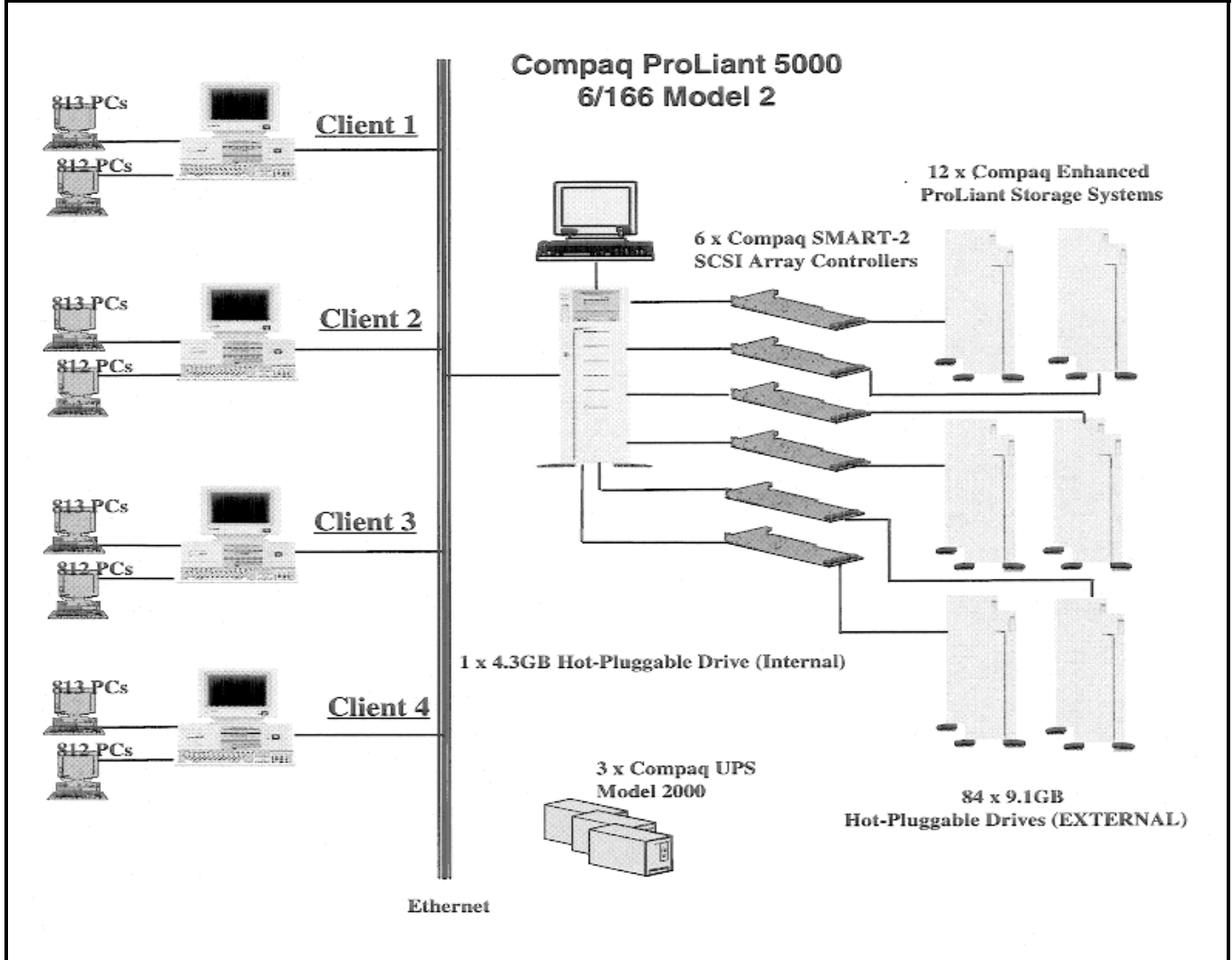


Compaq Computer Corporation		ProLiant 5000 6/166 Model 2 C/S with 4 ProLiant 2500		TPC-C Rev. 3.2 Report Date: Dec 19,1996	
Total System Cost		TPC-C Throughput		Price/Performance	
<b>\$568,730.00</b>		<b>7,128.20 tpmC</b>		<b>\$79.78</b>	
				Availability Date	
				<b>HW - December 1996</b> <b>SW - March 1997</b>	
Processors		Database Manager		Operating System	
4 Pentium®Pro 166 MHz		Microsoft SQL Server 6.5.219 (SP3)		Microsoft Windows NT 4.0	
				Other Software	
				Microsoft Internet Connector License, Microsoft Visual C++, Microsoft SQL Server Programmer's Toolkit	
				Number of Users	
				<b>6,500</b>	



System Components	Server		Clients	
	Quantity	Description	Quantity	Description
Processor	4	166MHz Pentium®Pro 512K Level 2 Cache	4	200MHz Pentium®Pro 256K Level 2 Cache
Memory	1	2048MB	4	128MB
Disk Controllers	6	SMART2/P Array Controller	4	SMART2/P Array Controller
Disk Drives	84	9.1 GB SCSI-2 Drives	4	2.1GB SCSI-2 Drive
	1	4.3GB SCSI-2 Drives		
Total Storage		732.78GB		8.4GB
Tape Drives	1	4/16 TurboDAT		

Compaq Computer Corporation		Proliant 5000 - 6/166 (512k) Model 2		TPC-C REV 3.2			
Client/Server		Report Date:		19-Dec-96			
Description	Part Number	Third Party Brand Pricing	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
<b>Server Hardware</b>							
Proliant 5000 6/166 512K Cache - Model 2 x PentiumPro/166MHz Processor Board Netelligent 10/100 TX Ethernet Controller Integrated Fast-SCSI-2 Controller CD-ROM SmartStart Compaq System Configuration Utility	219400-001		11,025	1	11,025	4,410	
6/166 - 512K Processor Expansion Kit	219421-001		1,805	2	3,610	1,444	
1 GB DIMM Kit	241774-B21		30,450	2	60,900	24,360	
SMART-2/P SCSI Array Controller	194753-001		2,132	6	12,792	6,294	
Enhanced Proliant Storage System	189600-001		1,205	12	14,460	5,784	
4.3 GB Pluggable SCSI-2 Drive	146742-006		1,351	1	1,351	541	
9.1 GB Pluggable SCSI-2 Drive	199882-001		2,090	84	175,560	70,224	
Compaq VGA Monochrome Monitor	194951-001		197	1	197	79	
Compaq Uninterruptible Power Supply M	142228-003		934	3	2,802	1,121	
4\16GB TurboDAT Drive	142181-001		1,084	1	1,084	434	
<b>Subtotal</b>					<b>283,781</b>	<b>114,690</b>	
<b>Server Software</b>							
Microsoft SQL Server 6.5 plus User License (w/ 5 cal)		Microsc 1	1,399	1	1,399	10,475	
* All Microsoft maint. is covered by the maint. cost of Microsoft SQL Server.							
Microsoft Windows NT Server v. 4.0		Microsc 1	809	1	809	0*	
Microsoft Internet Connector License		Microsc 1	2,999	1	2,999	0*	
<b>Subtotal</b>					<b>5,207</b>	<b>10,475</b>	
<b>Client Hardware</b>							
Proliant 2500 - Model 6/200H-1	250960-001		6,710	4	26,840	10,736	
64-Megabyte EDO DIMM	271908-001		1,410	8	11,280	4,512	
SMART-2/P SCSI Array Controller	194753-001		2,132	4	8,528	4,196	
2.1 GB Pluggable SCSI-2 Drive	199876-001		796	4	3,184	1,592	
NetFlex 3 PCI Ethernet Controller	169810-001		168	8	1,344	538	
Compaq VGA Monochrome Monitor	194951-001		197	4	788	315	
<b>Subtotal</b>					<b>51,964</b>	<b>21,889</b>	
<b>Client Software</b>							
Microsoft Windows NT Server v. 4.0		Microsc 1	809	4	3,236	0*	
Microsoft SQL Server Programmer's Toolkit		Microsc 1	499	1	499	0*	
Microsoft Visual C++ v. 4.0		Microsc 1	499	1	499	0*	
<b>Subtotal</b>					<b>4,234</b>	<b>0</b>	
<b>User Connectivity</b>							
NetLux 8-Port 100TX TrueFAST Ethernet Hub		NETLUX 1	595	2	1,190	5 yr warranty	
NetLux 24-Port 10Base-T Ethernet Hub		NETLUX 1	251	300	75,300	5 yr warranty	
<b>Subtotal</b>					<b>76,490</b>	<b>0</b>	
<b>Total</b>					<b>\$421,676</b>	<b>\$147,054</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: \$568,730</b>		
					<b>tpmC Rating: 7128.20</b>		
					<b>\$ / tpmC: \$79.78</b>		
Note: The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.							

## Numerical Quantities Summary

**MQTH, Computed Maximum Qualified Throughput**

**7128.20 tpmC**

% throughput difference, reported & reproducibility runs

0.01%

**Response Times (in seconds)**

**Average**

**90%**

**Maxim**

New-Order	2.43	2.92	6.79
Payment	2.23	2.68	6.65
Order-Status	2.76	3.66	7.81
Delivery (interactive portion)	0.89	1.64	2.61
Delivery (deferred portion)	3.05	5.26	66.23
Stock-Level	4.79	6.30	10.23
Menu	0.15	0.17	3.14

**Transaction Mix, in percent of total transaction**

New-Order	44.46%
Payment	43.27%
Order-Status	4.05%
Delivery	4.11%
Stock-Level	4.11%

**Emulation Delay (in seconds)**

**Resp.Time**

**Men**

New-Order	0.1	0.1
Payment	0.1	0.1
Order-Status	0.1	0.1
Delivery (interactive)	0.1	0.1
Stock-Level	0.1	0.1

**Keying/Think Times (in seconds)**

**Min.**

**Average**

**Max**

New-Order	18.01/0.05	18.00/12.92	18.23/12
Payment	3.01/0.00	3.01/12.87	3.25/12
Order-Status	2.01/0.07	2.01/10.84	2.21/10
Delivery (interactive)	2.01/0.06	2.01/5.51	2.07/54
Stock-Level	2.01/0.08	2.01/5.43	2.22/54

**Test Duration**

Ramp-up time	41 r
Measurement interval	30 r
Transactions (all types) completed during measurement interval	2,3
Ramp down time	10 r

**Checkpointing**

Number of checkpoints	
Checkpoint interval	30 r