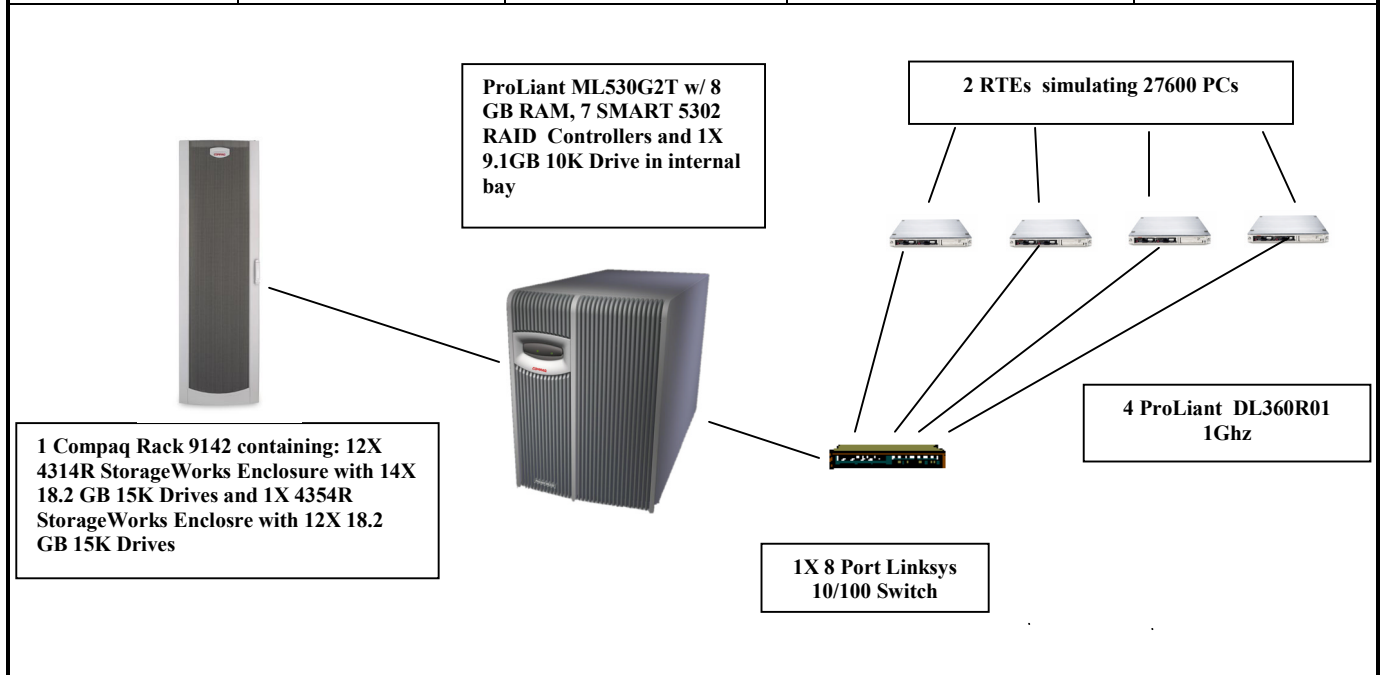


Compaq Computer Corporation	ProLiant ML530G2T 2P	TPC-C Rev. 5.0
	C/S with 4 ProLiant DL360R	Report Date: April 23, 2002

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
<b>\$215,905</b>	<b>34,473.15</b>	<b>\$6.27</b>	<b>May 28, 2002</b>

Processors	Database Manager	Operating System	Other Software	Number of Users
2 Intel Xeon 2.4 GHz – Server 8 Pentium III 1GHz – Client	Microsoft SQL Server 2000 Enterprise Edition	Windows 2000 Advanced Server	Microsoft Visual C++ Microsoft COM+	<b>27600</b>



	Server		Each Client	
System Components	Quantity	Description	Quantity	Description
Processor	2	2.4 GHz Intel Xeon w/ 512K Cache	8	1GHz Pentium III w/ 256K cache
Memory	4	2 GB DDR (2x1GB)	12	128MB
Disk Controllers	1	Integrated Ultra-3 SCSI Controller	4	Integrated SMART Array Controller
	7	SMART 5302 Array Controller		
Disk Drives	1	9.1GB SCSI Drive	4	9.1GB SCSI Drive
	180	18.2 GB SCSI Drive		
Total Storage		3050.47 GB		33.89 GB
Tape Drives	1	12/24 GB DAT		

Compaq Computer Corporation		ProLiant ML530G2T-2400X 2P			TPC-C Rev. 5.0		
		Client/Server			Report Date:		23-Apr-02
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	3 yr. Maint. Price	
<b>Server Hardware</b>							
		<b>Brand Pricing</b>					
ProLiant ML530G2T 1GB 2P 2.4GHz	226609-001	1	6,098	1	6,098		
2GB REG DDR16 (2x1GB)	187420-B21	1	2,236	4	8,944		
StorageWorks Enclosure Model 4314R	190209-001	1	2,955	12	35,460		
StorageWorks Enclosure Model 4354	190211-001	1	3,523	1	3,523		
Smart Array 5302 Controller	124992-B21	1	1,399	7	9,793		
V570 Color Monitor - 15 inch CRT - Opal	228113-001	1	169	1	169		
12/24-Gigabyte DAT Drive (Internal)	295513-B22	1	682	1	682		
Compaq Rack Model 9142 (42U - Opal) - Flat Pallet	120663-B21	1	1,352	1	1,352		
Compaq Rack Sidewall Kit	120670-B21	1	212	1	212		
UPS R3000 XR	192186-001	1	1,703	1	1,703		
9.1GB Pluggable Wide Ultra SCSI 3 Universal 10K Drive	336357-B21	1	431	1	431		
18.2-GB Pluggable 1" Universal WideUltra3 15K HDD	188122-B22	1	539	180	97,020		
18.2-GB Pluggable 1" Universal WideUltra3 15K HDD (10% spares)	188122-B22	1	539	18			9,702
FM-MI724-36 3YR 24X7 4HR 500 SERIES SVR	401782-002	1	1,795	1			1,795
FM-4E724-36 3YR 24X7/4HR EMPTY DISK ENCL	171242-002	1	157	13			2,041
<b>Subtotal</b>					<b>165,387</b>	<b>13,538</b>	
<b>Server Software</b>							
Microsoft SQL Server 2000 Enterprise Edition(per processor)	810-00845	Microsoft	2	17,279	2	34,558	5,850
Microsoft Visual C++ 6.0	048-00317	Microsoft	2	549	1	549	Incl Above
Microsoft Windows 2000 Advanced Server	C10-00475	Microsoft	2	2,399	1	2,399	Incl Above
<b>Subtotal</b>					<b>37,506</b>	<b>5,850</b>	
<b>Client Hardware</b>							
ProLiant DL360R01 P1000-256K 128MB	210640-001	1	2,079	4	8,316		
Two integrated 10/100 T/X NIC, Integrated Smart Array Controller							
Pentium III 1000MHz Processor (DL360)	210642-B21	1	799	4	3,196		
128 MB 133 DIMM	128277-B21	1	149	12	1,788		
V570 Color Monitor - 15 inch CRT - Opal	228113-001	1	169	4	676		
Compaq Mouse	170299-B21	1	23	4	92		
Compaq Enhanced Keyboard	122660-006	1	44	4	176		
9.1GB Pluggable Wide Ultra SCSI 3 Universal 10K Drive	336357-B21	1	431	4	1,724		
FM-EL724-36 3YR 24X7 4HR ENTRY 300 SVR	162675-002	1	750	4			3,000
<b>Subtotal</b>					<b>15,968</b>	<b>3,000</b>	
<b>Client Software</b>							
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	4	2,952	Incl. Above
<b>Subtotal</b>					<b>2,952</b>	<b>0</b>	
<b>User Connectivity</b>							
ETHERFAST 8-PORT 10/100 RACKMOUNT SWITCH (Linksys)	DEH4162	Linksys	3	120	3	360	
<b>Subtotal</b>					<b>360</b>	<b>0</b>	
Large Purchase and Cash discount (See Note 1)	16.0%		1			(\$26,490)	(\$2,166)
<b>Total</b>					<b>\$195,683</b>	<b>\$20,222</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>Three-Year Cost of Ownership: \$215,905</b>		
					<b>tpmC Rating: 34473.15</b>		
					<b>\$ / tpmC: \$6.27</b>		
Pricing: 1=Compaq Direct 2= Microsoft 3=Microwarehouse							
Note 1 = 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**

**34473.15tpmC**

<b>Response Times (in seconds)</b>	<b>Average</b>	<b>90%</b>	<b>Maximum</b>
New-Order	0.32	0.54	5.51
Payment	0.26	0.47	6.02
Order-Status	0.28	0.48	5.06
Delivery (interactive portion)	0.10	0.11	0.78
Delivery (deferred portion)	0.16	0.29	0.59
Stock-Level	1.00	1.41	5.41
Menu	0.10	0.11	1.03

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

New-Order	44.88%
Payment	43.02%
Order-Status	4.03%
Delivery	4.03%
Stock-Level	4.03%

### **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	18.02/12.17	18.04/121.71
Payment	3.00/0.00	3.02/12.16	3.04/121.71
Order-Status	2.00/0.00	2.02/10.16	2.04/101.50
Delivery (interactive)	2.00/0.00	2.02/5.11	2.04/51.00
Stock-Level	2.00/0.00	2.02/5.11	2.03/51.00

### **Test Duration**

Ramp-up time	40 minutes
Measurement interval	120 minutes
Transactions (all types) completed during measurement interval	9,218,046
Ramp down time	10 minutes

### **Checkpointing**

Number of checkpoints	4
Checkpoint interval	30 minutes