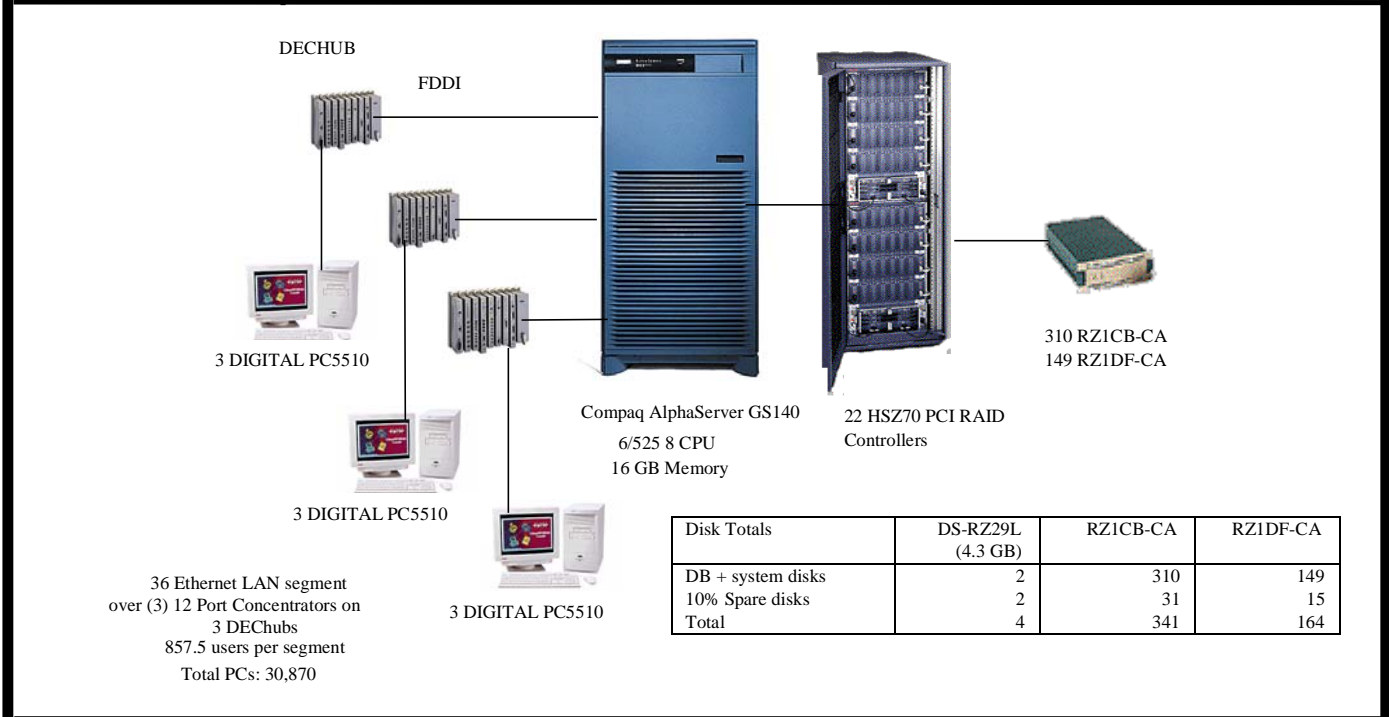


Compaq Computer Corporation	Compaq AlphaServer GS140 6/575 8 CPU Client Server System	TPC-C Rev 3.4
		Report Date: October 7, 1998

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$2,981,728	37,540.3 tpmC	\$79.43/tpmC	January 10, 1999

Processors	Database Manager	Operating System	Other Software	Number of Users
8 575MHz Alphachip 21264	Sybase SQL Server 11.9.3	Digital UNIX V4.0E	Application Optimizer WNT Server Edition	30,870



System Components	Server		Client	
	Qty	Type	Qty	Type
Database Nodes	1	Compaq AlphaServer GS140 6/575	9	Digital PC5510
Processors	8	575 MHz Alphachip 21264	1	266 MHz Intel
Cache Memory	4	MB		256KB
Memory	4	4096 MB	4	64MB
Total Memory	16	GB	1	256MB
Disk Controllers	23	PCI		
Disks		164 9.1 GB Disks		
	345	4.3 GB Disks		
Total Disk Storage	2975.9	GB		



**AlphaServer GS140
Model 6/575
8 CPU C/S System**

TPC-C REV 3.4 EXECUTIVE SUMMARY

PAGE 2 OF 2

Report Date: October 19, 1998

Description	Part Number	Third Party Brand	Unit Price	Qty	Extended Price	5 yr. Maint. Price
Server Hardware						
Cmpmaq AlphaServer GS140 Model 6/525	DA-393GG-BA		1	279,580	1	43,546
Dual CPU 6/575 SMP Add-on/in Module	2T-762T8-AX		1	65,100	4	38,622
Dual CPU 6/525 SMP Add-on/in Module	762P2-AX		1	(\$45,500)	1	0
4 GB AlphaServer 8xxx Memory	MS7CC-GA		1	45,920	3	51,840
PCI PIU for 8400 System Cab	DWLBPB-AA		1	6,300	1	1,047
2nd 12 Slot PCI for DWLPB-AA	DWLBPB-BA		1	6,300	2	2,094
PCI TO FDDI Adptr SAS,MMF,SC	DEFPA-AB		1	837	3	684
XOVER CABLE FOR DEFEA-UA	BN25H-03		1	5	3	0
PCI-HOST BUS ADAPTER (FW D)	KZPSA-BB		1	767	1	206
3.0 M Cable, SCSI-3 "P" 1S/1R	BN21K-03		1	108	1	0
PCI to SCSI UWD, Adapter	KZPBA-CB		1	578	22	4,532
ULTRA 68VHD 10M CABLE ASSBLY	BN37A-10		1	175	22	0
VHDCI Female to 68HD Male	BN38E-0B		1	98	22	0
4/8GB 4MM SCSI DAT Tape Drive	TLZ09-VA		1	980	1	1,047
DEChub 900 MultiSwitch,US/JA	DMHUB-AA		1	2,863	3	2,280
DEChub 900 Power Supply	H7894-MA		1	711	3	684
12 Port UTP concentrator	DEFHU-MX		1	4,305	3	3,645
ESA High BW Building Blk 60HZ	DS-SWXES-BA		1	61,815	11	150,040
VT510,WHITE,NORTH AMER,NO KEY	VT510-AA		1	263	1	0
US/CANADA W95 KYBD WHIT	PCXLA-NA		1	18	1	0
4.3GB SCSI Narrow HDD in SBB**	DS-RZ29L-VA		1	741	4	Spared
4.3GB 7200RPM UltraSCSI HDD**	DS-RZ1CB-VW		1	811	341	Spared
9.1GB 7200RPM UltraSCSI 16bit	DS-RZ1DF-VW		1	1,217	164	Spared
UPS 120V 1500VA W/EXT BAT OPT**	4N-AEABF-AB		1	958	13	Spared
Subtotal					1,869,683	300,267
Server Software						
5YR,AS 8400 DUAL UNIX BRZ5X9	FM-D84U9-60		1	27,906	1	27,906
5YR S/W,8400 DUAL INCAB UPGD	FM-84DUP-60		1	14,653	3	43,959
cVISN MC MG MUL SYS 1 LIC	QM-MQDAA-AA		1	697	1	697
HSZ70 SW U/A LIC/MCD/No DOC	QB-5SBAB-SB		1	525	44	23,100
Dig UNIX Alpha CDRM	QA-MT4AA-H8		1	277	1	277
Sybase Development Pricing (License)	Sybase		2	9,600	1	9,600
Sybase Adaptive Server	Sybase		2	264,460	1	244,316
Subtotal					298,134	316,181
Client Hardware						
PC5510 ST,6266,32MB,3.2GB,NT	FR-G2B4A-VB		1	1,349	9	6,129
64MB EDO Memory Option,Celeb	FR-PCCAM-BC		1	134	36	Inc.
4.3GB UltraWide SCSI HDD	FR-PCXRE-BA		1	638	9	Inc.
1-channel Ultra SCSI Adapter	FR-PCTAZ-DF		1	269	9	Inc.
PCI TO FDDI Adptr SAS,MMF,SC	DEFPA-AB		1	837	9	Inc.
MONITOR,14"(13.2"V)NH,54KHZ	FR-PCXCV-CW		1	179	9	Inc.
English PC 5510/3500 WNT Kit	FR-PCF2G-AA		1	108	9	0
XOVER CABLE FOR DEFEA-UA	BN25H-03		1	5	9	0
Subtotal					35,289	6,129
Client Software						
Sybase Open Client/DB Lib	Sybase		2	795	1	795
Application Optimizer WNT Server Edition	QB-641AA-SA		1	405	9	2,925
Application Optimizer development license	QB-640AA-SA		1	54	1	54
Subtotal					4,494	2,925
User Connectivity						
Complex Micro Hub/8-8 Port Hub	DEH2924		3	34.75	4277	Spared
Subtotal					148,626	
Total					\$2,356,226	\$625,502

Notes:** 10% Spares

ICS Discount: 30% on Server Hardware/Software based on volume.

ICS Discount: 10% on FM and FR numbers based on volume.

Sybase Discount: 10%

1=IC System Solutions, 2=Sybase, 3= DataComm Warehouse

Audited by Information Paradigm, Inc.

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 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.

Five-Year Cost of Ownership: \$2,981,728
tpmC Rating: 37,540
\$ / tpmC: \$79.43

Numeric Quantities Summary
Compaq AlphaServer GS140 6/575 8 CPU C/S System

MQTH

MQTH, computed Maximum Qualified Throughput	37540.3
% throughput difference, reported and reproducibility runs	.01%

Response Times in seconds

Transaction	90th percentile	Average	Maximum
New-Order	2.009	0.975	10.280
Payment	2.012	0.943	9.980
Order-Status	2.204	1.076	7.971
Delivery (interactive)	0.276	0.240	1.096
Delivery (deferred)	2.000	1.031	14.156
Stock-Level	2.333	1.124	8.940
Menu	0.331	0.252	1.201

Transaction Mix in percent of total transactions

Transaction	Total Occurrences	Percentage
New-Order	1126210	44.975%
Payment	1076903	43.006%
Order-Status	100340	4.007%
Delivery (interactive)	100340	4.007%
Stock-Level	100309	4.006%

Keying/Think Times in seconds

Transaction	Minimum	Average	Maximum
New-Order	18.000/0.000	18.003/12.006	18.106/119.979
Payment	3.000/0.000	3.001/12.008	3.086/119.707
Order-Status	2.000/0.000	2.000/10.003	2.055/ 94.325
Delivery (interactive)	2.000/0.000	2.000/ 5.002	2.054/ 49.588
Stock-Level	2.000/0.000	2.000/ 5.007	2.054/ 49.096

Emulation Delay in seconds

Transaction	Response Time	Menu Response Time
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

Test Duration

Ramp up time	30 minutes
Measurement interval	30 minutes
Number of checkpoints	1
Number of New Order transactions	1126210
Number of transactions (all types) completed in measurement interval	2504102