
	Compaq AlphaServer GS160 Model 6/731 16 CPU Client/Server System		TPC-C Rev 5.0 Upgrade from TPC-C Rev. 3.5
			Report Date: April 3, 2001 November 8, 2000 (Original)

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$3,766,731	71,863.02	\$52.42	February 2, 2001

Processors	Database	Operating System	Other Software	Number of Users
(16) 731MHz Alphachip 21264A	Oracle V8.1.7 Enterprise Edition for Tru64 UNIX	Compaq Tru64 UNIX V5.1	Compaq DB Web Connector V1.1	61,000



4 Compaq ProLiant ML370s

64 Ethernet Segments on 10/10 Mbps Fast Ethernet
960 Users Per Segment
Total PCs – 61,000

**Compaq AlphaServer GS160
Model 6/731 16 CPU 64GB**

10 380620-001 (Cabs)
457 DS-RZ1EA-VW (18GB)

	System Components Database Server, Compaq AlphaServer GS160 Model 6/731		Client Components (Each of 4) Compaq ProLiant ML370	
	Qty	Type	Qty	Type
Processors	16	6/731 MHz Alphachip 21264A	2	600 MHz Intel Pentium III
Cache Memory		4MB Cache/CPU		512KB Cache/CPU
Memory	16	4 GB Memory	1	128MB Memory
Total Memory	64	GB Memory	2	256MB Memory
Disk Controllers	16	Fiber Storage Controllers		640 Total Memory
Disks	457	18 GB Disks	1	18GB Disk
Total Disk Storage	8226	GB		

Numeric Quantities Summary
AlphaServer GS160 Model 6/731 16 CPU Client Server System

MQTH

MQTH, computed Maximum Qualified Throughput	71,863
---	--------

Response Times in seconds

Transaction	90th percentile	Average	Maximum
New-Order	2.344	1.179	7.483
Payment	2.218	1.193	7.191
Order-Status	2.176	1.102	6.783
Delivery (interactive)	1.604	0.753	5.407
Delivery (deferred)	1.078	0.619	6.546
Stock-Level	2.202	1.139	7.423
Menu	1.688	0.750	6.121

Transaction Mix in percent of total transactions

Transaction	Total Occurrences	Percentage
New-Order	8623563	44.976%
Payment	8245592	43.005%
Order-Status	767635	4.004%
Delivery (interactive)	768672	4.009%
Stock-Level	768119	4.006%

Keying/Think Times in seconds

Transaction	Minimum	Average	Maximum
New-Order	18.000/0.000	18.001/12.003	18.155/119.976
Payment	3.000/0.000	3.001/12.003	3.110/119.999
Order-Status	2.000/0.000	2.001/10.001	2.108/ 99.627
Delivery (interactive)	2.000/0.000	2.001/ 5.003	2.109/ 49.894
Stock-Level	2.000/0.000	2.001/ 5.004	2.102/ 50.007

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

Ramup up time	60:00 minutes
Measurement interval	120:00.00 minutes
Number of checkpoints	4
Number of New Order transactions	8623563
Number of transactions (all types) completed in measurement interval	19173581