

Numerical Quantities Summary for UltraServer 1 Model 170

MQTH, Computed Maximum Qualified Throughput **1332.50 tpmC**
% throughput difference, reported & reproducibility runs < 1%

Response Times (in secs)	90th Percentile	Average	Maximum
Menu	0.50	0.10	1.65
New-Order	2.20	1.30	14.62
Payment	2.40	1.12	27.33
Order-Status	4.60	2.37	6.64
Delivery(interactive)	0.26	0.09	2.34
Delivery(deferred)	11.00	5.14	24.00
Stock-level	13.00	6.40	25.28

Transaction Mix, in percent of total transactions

New-Order	44.21%
Payment	43.46%
Order-Status	4.16%
Delivery	4.11%
Stock-level	4.06%

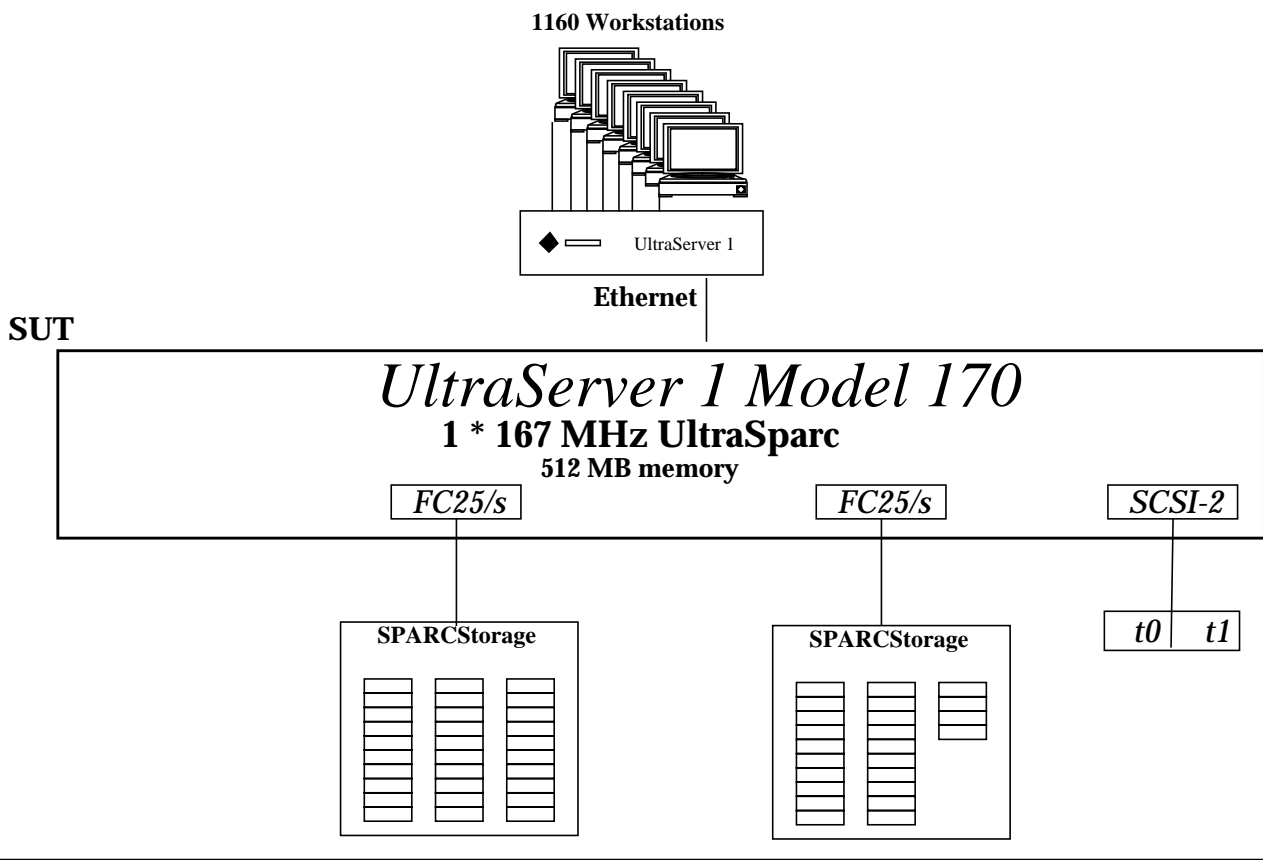
Keying/Think Times (in secs)	Average.	Min.	Maximum
New-Order	18.01/12.54	18.0/0	18.08/125.0
Payment	3.01/12.52	3.0/0	3.04/125.0
Order-Status	2.01/10.41	2.0/0	2.02/85.56
Delivery	2.01/5.51	2.0/0	2.03/43.02
Stock-level	2.01/5.50	2.0/0	2.09/48.39

Test Duration

Ramp-up time	26 minutes
Measurement Interval	30 minutes
Number of checkpoints	1
Checkpoint Interval	30 minutes
Number of transactions (all types) completed in measurement interval	90419

Part Number	Description	Qty	Unit Price	Extended Price	Maintenance per Month	5 Yr. Total Maintainance
Hardware						
A11-UBA1-9S-064CB	UltraServer 1 Model 170	1	15371.25	15371.25	76.00	4104.00
X7003A	2*64 Mb Simm for UltraServer	4	5850.00	23400.00		0.00
X791A	SSA Model 112 w/ 18 2.1 GB Disks	1	29550.00	29550.00	120.00	6480.00
X766A	6 * 2.1 Disks for SSA	1	6150.00	6150.00		0.00
X792A	SSA Model 112 w/ 30 2.1 GB Disks	1	41400.00	41400.00	120.00	6480.00
X1057A	FibreChannel/SBus Host Adapter	2	1200.00	2400.00		0.00
X822A	4mm Tape Backup	1	1181.25	1181.25		0.00
	Server Totals			119452.50		17064.00
Front End						
A11-UAA1-9S-032CB	UltraServer 1 Model 140	1	11621.25	11621.25	76.00	4104.00
X1058A	Quad Ethernet Controler	1	746.25	746.25		0.00
X7003A	2*64 Mb Simm for UltraServer	4	5850.00	23400.00		0.00
	Front End Total			35767.50		4104.00
Terminals & Connectivity						
	Wyse35 Terminal	2	295.00	590.00		
DEH1477	Ultra Slimline 24 Port Hubs with 10% spares	54	294.00	15876.00		
	Terminals & Connectivity Totals			16466.00		
	ALL HARDWARE SUBTOTALS			171686.00		21168.00
Software						
SOLS-C	Solaris Software on CD-ROM	1	100.00	100.00		
CC-P	SPARC Compiler Single Usr. License	1	695.00	695.00	20.00	1140.00
	Sun SoftwareTotals			795.00		1140.00
Indepenent Tech. Inc. Clients	Tuxedo 4.2.1	1	7500.00	7500.00	93.75	5625.00
	Tuxedo Totals			7500.00		5625.00
Sybase	Sybase SQL Server License	1	39900.00	39900.00	532.00	31920.00
	Sybase Totals			39900.00		31920.00
	ALL SOFTWARE SUBTOTALS:			48195.00		38685.00
Discount						
	Sun Prepaid Maintenance Discount (Hardware)		15%			-3175.20
	TOTAL HARDWARE & SOFTWARE COST (5YR)					276558.80
	PRICE PER TPMC					207.55

Sun Microsystems		UltraServer 1 Model 170		TPC-C Rev 3.0	
Sybase Inc		C/S w/1 Front-End		Report Date: 01/25/1996	
Total System Cost		TPC-C Throughput		Price/Performance	
\$276,558.80		1332.50 tpmC		\$208 per tpmC	
Processors		Database Manager		Operating System	
1 UltraSPARC 167 MHz		Sybase SQL Server 11.0 RDBMS		Solaris 2.5	
				Other Software	
				Tuxedo Ver. 4.2.1	
				Number of Users	
				1160	



System Components	Server System	Front End System
Database Nodes:	1 UltraServer 1 Model 170	UltraServer 1 Model 140
Processors	1x167 MHz UltraSPARC RISC	1x143 MHz UltraSPARC
Cache memory	512KB	512KB
Main memory	512 MB	512 MB
Disk controllers	2* FC25/S + 1 SCSI2	1xSCSI-2
Disk Drives	56 x 2.1 GB SCSI	1x2.1GB SCSI-2
Total Disk Storage	117.6 GB	2.1 GB
Terminals	1 Console	1 Console
10 BaseT Hubs	None	54 x 24-Port