

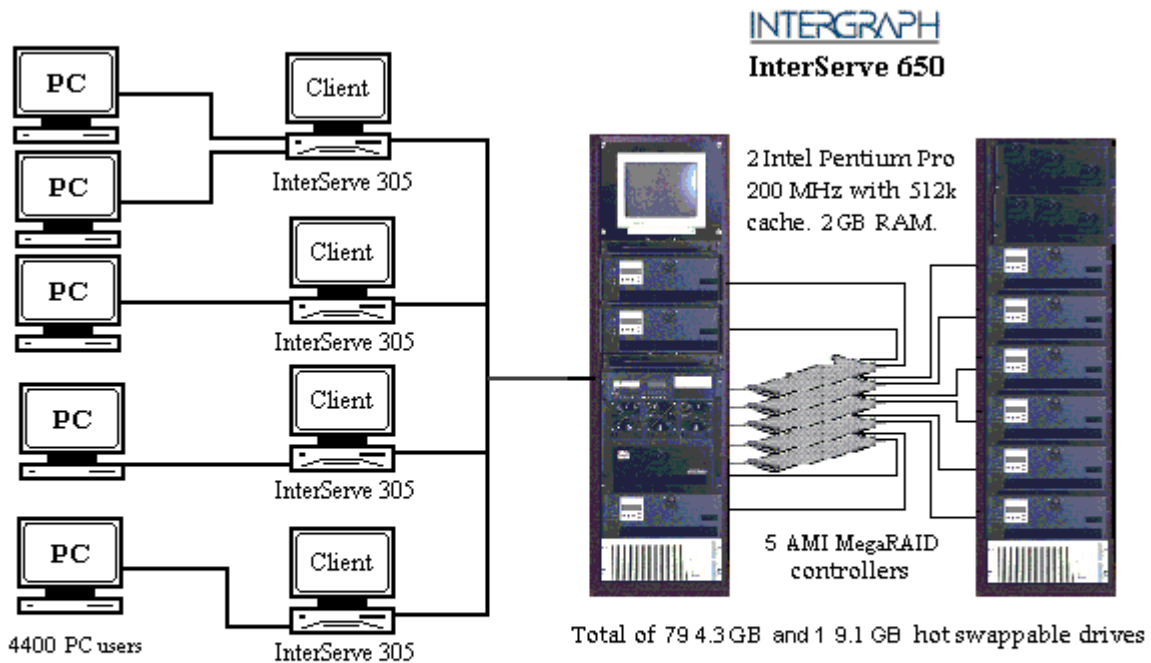


**InterServe 650 Server and
InterServe 305**

TPC-C Rev 3.3

Report Date: 30 July 1997

Total System Cost		TPC-C Throughput		Price /Performance		Availability Date	
\$334,026		5307.23 tpmC		\$62.93		1-July-1997	
Processor	Database Manager	Operating System	Other Software		Number of Users		
2 Pentium® Pro 200MHz	Microsoft SQL Server 6.5 (SP3)	Microsoft Windows NT 4.0 (SP1)	Microsoft Internet Information Server		4400		



System Components	Server		Client	
	Qty	Type	Qty	Type
Processor	2	200 MHz Intel Pentium Pro 512k Cache	4	200 MHz Intel Pentium Pro 256k Cache
Memory	1	2048 MB	4	128 MB
Disk Controllers	5	AMI MegaRAID	4	Integrated Adaptec SCSI
Disk Drives	79	Seagate 4.3 GB Hot Swappable	4	Seagate 2.1GB
Total Storage	1	Seagate 9.1 GB Hot Swappable 348.8 GB		8.4 GB



**InterServe 650 Server and
InterServe 305**

TPC-C Rev 3.3

Report Date: 30 July 1997

Description	Part Number	Third Party		Unit Price	Qty	Extended Price	5 yr. Maint. Price
		Brand	Pricing				
Server Hardware							
InterServe 650 (256MB,3x4GB,NTS,UPS)	FDPS37300-01			\$30,990	1	\$30,990	11,449
InterRAID8 + RAID Controller	FDSK473			\$7,300	4	\$29,200	12,232
InterRAID8 Without Controller	FDSK459			\$5,300	5	\$26,500	11,592
256MB Memory Upgrade	FMEM151			\$2,399	7	\$16,793	
4mm Tape Drive	FMTTP16100-OD			\$1,399	1	\$1,399	
15" VGA Monitor	FOPT099			\$399	1	\$399	121
4.3 GB Hot Swap Drive	FDSK461			\$1,199	76	\$91,124	
9.1 GB Hot Swap Drive	FDSK470			\$2,099	1	\$2,099	
				Subtotal		\$198,504	35,394
Server Software							
MS SQL Server 6.5 Database		Microsoft		24,999	1	24,999	10,475
MS SQL Workstation (with programmer toolkit)		Microsoft		499	1	499	
Visual C++ 32 Bit Edition (subscription)		Microsoft		499	1	499	
Microsoft NTS 4.0 included with server							
				Subtotal		25,997	10,475
Client Hardware							
InterServe 305 (32MB,2GB)	FDPS445			5,507	4	22,028	5,432
32MB Memory Upgrade	FMEM13400-OD			259	12	3,108	
Intel 10/100BaseT PCI Ethernet Controller	FINF920			150	5	750	
15" SVGA Monitor	FOPT099			399	4	1,596	486
				Subtotal		27,482	5,917
Client Software							
Microsoft NTS 4.0 included on Web server (includes 5 user licenses)							
				Subtotal		0	0
User Connectivity							
24 Port 10BaseT Hub (includes 10% spares) (for 4400 users + 10% spares)	AT-3024TR-15	PC Importers		220	203	44,660	NA
8 Port 100BaseT Hub (includes spare) (for server +4 clients + spare)	AEF-8TX	CompuStar		529	3	1,587	NA
				Subtotal		46,247	0
				Other Discounts*		(\$15,991)	
				Total		\$282,239	\$51,787

Notes: * Reseller Discount

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.
The benchmark results and test methodology were audited by Francois Raab of Information Paradigm, Inc.

**Five Year Cost of Ownership:
tpmC Rating:
\$ / tpmC:**

**\$334,026
5307.23
\$62.93**

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput 5307.23 tpmC
 % throughput difference, reported and reproducibility runs 0.14%

Response Times (seconds)	Average	90%	Maximum
New-Order	0.7	0.9	3.6
Payment	0.6	0.8	3.3
Order-Status	0.7	1.0	3.9
Delivery (interactive)	0.4	0.5	0.7
Delivery (deferred)	1.0	2.2	41.4
Stock-Level	1.7	2.6	5.9
Menu	0.4	0.5	0.9

Response time delay added for emulated components 0.1
 (included in response times above)

Transaction Mix, in percent of total transaction

New-Order	44.03
Payment	43.45
Order-Status	4.32
Delivery	4.11
Stock-Level	4.09

Keying/Think Times (seconds)	Min.	Average	Max
New-Order	18.0 / 0.1	18.0 / 12.1	18.0 / 120.1
Payment	3.0 / 0.1	3.0 / 12.0	3.0 / 120.1
Order-Status	2.0 / 0.1	2.0 / 10.0	2.0 / 88.1
Delivery (interactive)	2.0 / 0.1	2.0 / 5.0	2.0 / 50.1
Stock-Level	2.0 / 0.1	2.0 / 5.1	2.0 / 47.8

Test Duration (minutes)

Ramp-up time	28.67
Measurement interval	30.00
Transactions (all types) completed during measurement interval	361643
Ramp down time	38.97

Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes

