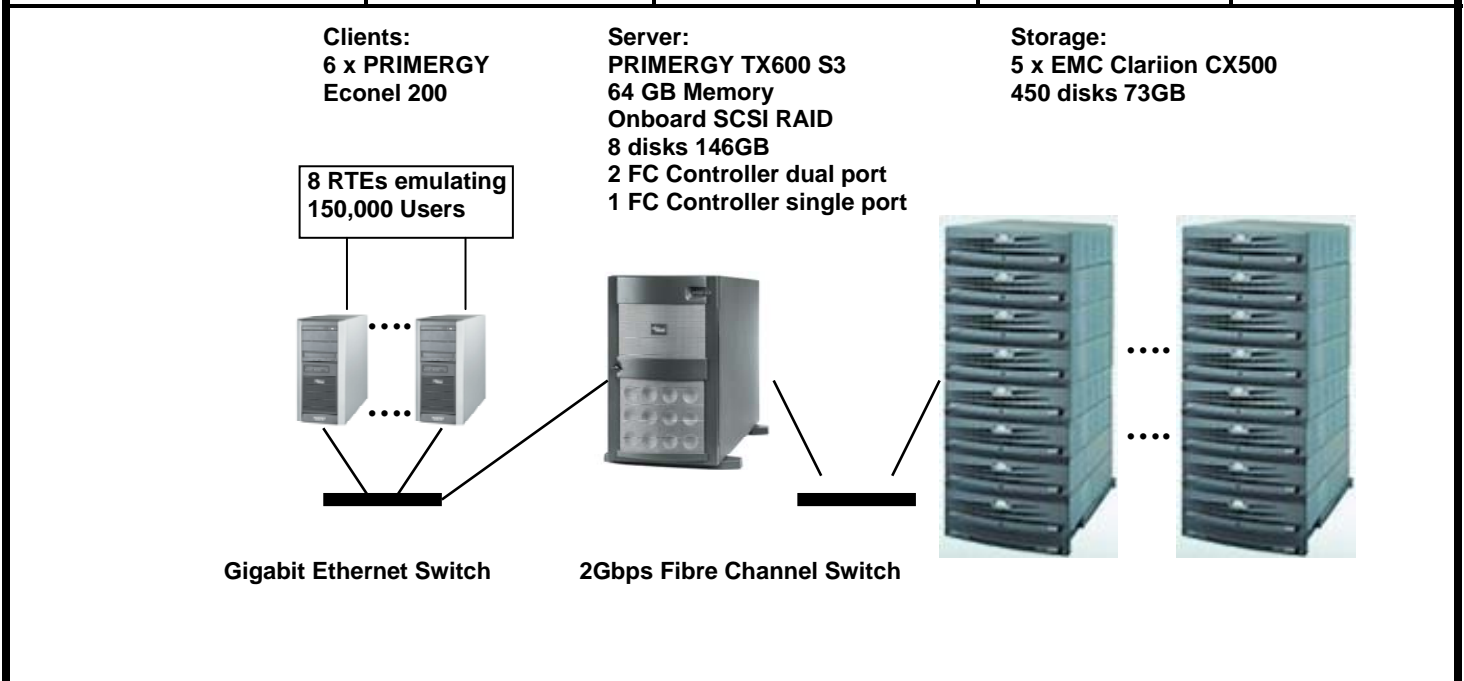


Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
\$1,075,304 USD	188,761 tpmC	\$5.70/tpmC	April 27, 2006	
Processors	Database Manager	Operating System	Other Software	Number of Users
Server: 4 x Dual-Core Intel® Xeon™ Processor 7041 Clients: 6 x 2 Intel® Xeon™ 3.4GHz with 2MB SLC	Microsoft SQL Server 2000 Enterprise Edition SP4	Microsoft Windows Server 2003 Enterprise Edition SP1	Microsoft Windows 2003 Server w/ IIS 6.0 and COM+ Microsoft Visual C++	150,000



System Components	Server		Each Client	
Processors	4	Dual-Core Intel® Xeon™ Processor 7041 (3.0GHz 2x 2MB Cache)	2	Intel® Xeon™ 3.4GHz with 2MB Cache
Memory	64	GB	2048	MB
Disk Controllers	3 1	PCI Fibre Channel Onboard SCSI RAID Controller	1	Onboard SCSI Controller
Disk Drives	1 450 8	36GB SCSI 73GB FC 146GB SCSI	1	72 GB
Total Storage		30,143 GB		



PRIMERGY TX600 S3

C/S with 6 PRIMERGY Econel 200

TPC-C REV 5.4

**Report Date
November 1, 2005**

Description	Part Number	Third Party	Unit Price	Qty.	Extended Price	3yr Maint. Price
		Brand Pricing				
PRIMERGY PY TX600S3f/X 3.0 4M/4G	S26361-K989-V738		9,312 \$	1	9,312 \$	
VRM Modules for Processor, xX600S3	S26361-F3124-E800		455 \$	3	1,366 \$	
XEON MP 3.0GHz/2x2MB, 800MHz FSB	S26361-F3124-E304		4,647 \$	3	13,942 \$	
8GB 2x4GB DDR2-400 PC2-3200 rg d ECC	S26361-F3072-E624		6,024 \$	8	48,194 \$	
Memory Board TX/RX600 S3	S26361-F3125-E800		136 \$	3	409 \$	
CD-RW \ DVD ATAPI slimline	S26361-F3123-E1		67 \$	1	67 \$	
HDD U320 36GB 15k hot plug 3.5" M	S26361-F3121-E536		191 \$	1	191 \$	
HDD U320 146GB 15k hot plug 3.5" M	S26361-F3121-E514		559 \$	8	4,471 \$	
BBU onboard RAID Controller xX600	S26361-F3128-E20		193 \$	1	193 \$	
FC Ctrl 2Gbit/s QLA2340 MMF LC	S26361-F3097-E1		959 \$	1	959 \$	
Cable powercord	S26361-F3151-E100		26 \$	1	26 \$	
KBPC SX USA standard keyboard	S26381-K397-E110		11 \$	1	11 \$	
Monitor CRT 17" SCENICVIEW B772-1	S26361-K909-V150		152 \$	1	152 \$	
Standard-LAN 10 Base T 5m	T26139-Y2425-M5		5 \$	1	5 \$	
FC Switch 2Gb/s, 16 Ports, ZO, 2-Switch FABRIC	D:FCSW-16P2G3850		9,408 \$	1	9,408 \$	
FC Kabel MMF 5m, Connector LC-LC	D:FCKAB-MM-C05L		73 \$	15	1,098 \$	
Enhanced Plus, Phone: 24x7 On-Site: 24x7, 4h (Sev-1) resp. Prepay Billing (Warranty Uplift)	PYT600-U004361-0NA		1,575 \$	1		1,575 \$
Server Hardware Subtotal					89,804 \$	
Clariion Bundle consisting of						
2 x RAID controller with 2048 MB read/write cache each,						
2 FC ports per controller 2 Gb/s each						
2 power supplies, 2 power distributors, 2 power cables (US),						
2 x battery-backed emergency power supplies,						
6 x 19" chassis, 4 height units each, 6 x fan unit with 3 fans,						
90 x 73 GB/15k drives, hot-swappable						
Navisphere Management Suite – Departmental License						
Navisphere Agent Kit						
3 years (total) maintenance for hard- and software (7x24, 4h)						
TP 3y OS Svc,4h Rec,7x24	D:R3CX500-90X73F		177,000 \$	5	885,000 \$	
	included		0 \$	5		0 \$
Storage Subtotal					885,000 \$	0 \$
Maint. Server + Storage						1,575 \$
PRIMERGY PY Eco200s X/3.4/2M 1G	S26361-K970-V274		1,620 \$	6	9,718 \$	
Xeon DP 3.4GHz 2MB 800MHz	S26361-F3099-E834		681 \$	6	4,088 \$	
1GB 2x512MB DDR333 PC2700 rg ECC	S26361-F3127-E523		247 \$	6	1,480 \$	
CD-ROM ATAPI	SNP:SY-F2240E1-A		19 \$	6	114 \$	
Eth Ctrl 1x1 Gbit PCI32 PRO/1000GT Cu	S26361-F3142-E1		28 \$	6	166 \$	
Standard-LAN 10 Base T 5m	T26139-Y2425-M5		5 \$	6	31 \$	
HDD U320 73GB 10k non hot plug 3.5"	S26361-F2824-E173		204 \$	6	1,221 \$	
Cable powercord (USA), 1.8m, grey	T26139-Y1742-E10		3 \$	6	21 \$	
Monitor CRT 17" SCENICVIEW B772-1	S26361-K909-V150		152 \$	6	911 \$	
KBPC SX USA standard keyboard	S26381-K397-E110		11 \$	6	66 \$	
36 MONTHS,IN WARR,ENHANCED,SERVER ECONOMY,7x24x365,4h	FPC58-0799-01		391 \$	6		2,346 \$
Client Hardware Subtotal					17,815 \$	2,346 \$
Microsoft Windows 2003 Server, Enterprise Edition	P72-00264		2,334 \$	1	2,334 \$	
MS SQL-Server 2000 Ent.Edit. Per Proc Lic.	810-00846		16,541 \$	4	66,164 \$	
Server Software Subtotal					68,498 \$	
Microsoft Windows Server 2003, Standard Edition	P73-00295		719 \$	6	4,314 \$	
Microsoft Visual C++ Standard	254-00170		109 \$	1	109 \$	
Client Software Subtotal					4,423 \$	
Microsoft Problem Resolution Service (1 incident)				2		245 \$
NETGEAR GS108 8-Port Copper Gigabit Switch (2 spares)	435286		90 \$	3	270 \$	
QLA2342-E-SP (2 spares)	9655-F14191-0295		1,332 \$	4	5,328 \$	
User Connectivity Subtotal					5,598 \$	
Total					1,071,138 \$	4,166 \$

1=FUJITSU Computer Systems Corporation, 2= Microsoft, 3=www.cdw.com, 4=www.pcnation.com

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 section 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.

3 -Year Cost of Ownership: \$ 1,075,304
 tpmC Rating: 188,761
 \$ / tpmC: 5.70

Note: The benchmark results and test methodology were audited by Francois Raab of InfoSizing (www.sizing.com)

Numerical Quantities Summary

MQTh, computed Maximum Qualified Throughput

188,761 tpmC

Response Times (in seconds)	90th percentile	Average	Maximum
- New-Order	0.45	0.29	5.65
- Payment	0.39	0.23	4.07
- Order-Status	0.41	0.26	5.58
- Delivery (interactive portion)	0.11	0.11	1.91
- Delivery (deferred portion)	0.35	0.20	1.91
- Stock-Level	1.28	0.94	4.20
- Menu	0.11	0.11	1.92
- Response and menu time delay added for emulated components	0.1 seconds		

Transaction Mix, in percent of total transactions

- New-Order	44.96 %
- Payment	43.01 %
- Order-Status	4.01 %
- Delivery	4.01 %
- Stock-Level	4.01 %

Keying/Think Times (in seconds)

	Minimum	Average	Maximum
- New-Order	18.00/0.000	18.02/12.05	18.89/120.51
- Payment	3.00/0.000	3.02/12.05	3.90/120.61
- Order-Status	2.00/0.000	2.02/10.05	2.90/100.62
- Delivery (interactive)	2.00/0.000	2.02/ 5.06	2.87/ 50.51
- Stock-Level	2.00/0.000	2.02/ 5.05	2.80/ 50.51

Test Duration and Checkpointing

- Ramp-up time	42 minutes
- Measurement interval	120 minutes
- Number of checkpoints	4
- Checkpoint interval	30 minutes
- Transactions during measurement interval (all types)	52,398,718