
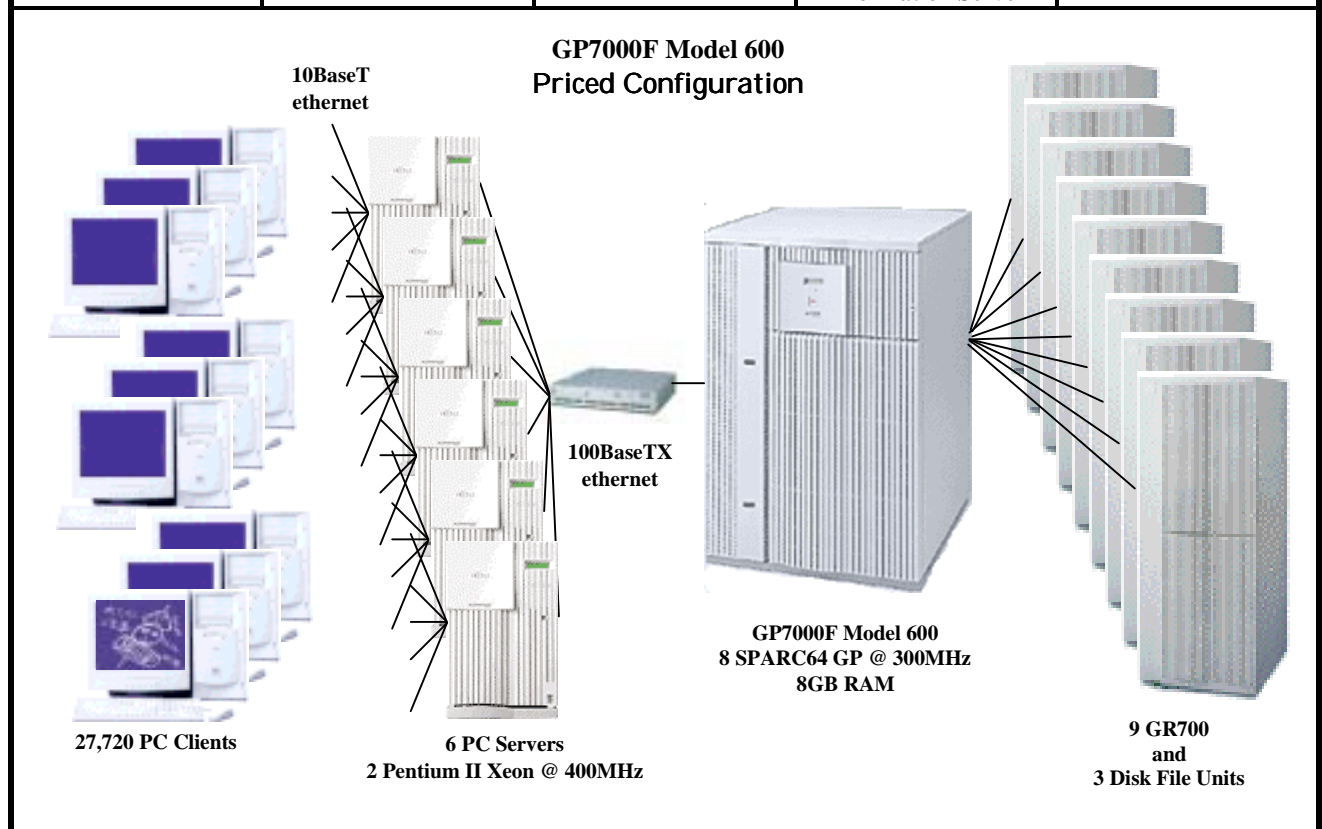


## Priced Configuration


	<b>GP7000F Model 600 c/s w/ 6 Front-Ends</b>		<b>TPC-C Rev 3.4</b>
			<b>Report Date: June 23, 1999</b>
<b>Total System Cost</b>	<b>TPC-C Throughput</b>	<b>Price/Performance</b>	<b>Availability Date</b>
<b>\$2,772,999</b>	<b>33,113.60 tpmC</b>	<b>\$83.74/tpmC</b>	<b>December 23, 1999</b>

<b>Processors</b>	<b>Database Manager</b>	<b>Operating system</b>	<b>Other Software</b>	<b>Number of users</b>
<b>8 SPARC64 GP @ 300MHz</b>	<b>SymfoWARE Server Enterprise Edition for VLM 2.0</b>	<b>Solaris 2.6</b>	<b>BEA Tuxedo 6.4 CFS, Fujitsu COBOL V4, Microsoft Internet Information Server</b>	<b>27,720</b>



RDBMS SERVER			CLIENTS(EACH OF 6)	
	QTY	DESCRIPTION	QTY	DESCRIPTION
PROCESSOR	8	SPARC64 GP @ 300MHZ	2	PENTIUM II XEON @ 400MHZ
CACHE MEMORY		8MB (EACH PROCESSOR)		512KB (EACH)
MEMORY		8GB		512MB
DISK CONTROLLER	7	ULTRA WIDE DIFFERENTIAL SCSI (2 CHANNELS)	1	WIDE-SCSI
DISKS	448	9GB (10,000RPM)	1	4GB
	8	4GB (10,000RPM)		
	1	4GB (7,200RPM)		
TOTAL		3826.13GB		
TERMINAL	1	CONSOLE TERMINAL	1	17" MONITOR
NETWORK INTERFACE	1	FASTETHERNET ADAPTER	7	1 FASTETHERNET ADAPTER, 6 ETHERNET ADAPTERS
HUBS	1	24-PORT (100 BASE-TX)	3,495	COMPEX MICROHUB (8 PORTS)

# Detailed Pricing Information

	<b>Detailed Pricing Information</b> GP7000F Model 600 c/s w/ 6 Front-Ends	TPC-C Rev 3.4  Report Date: June 23, 1999
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Order Number	Description	Quantity	Third Party	Unit Price	Extended Price	Maintenance rate/unit*	5 Years Maintenance
<b>Server Hardware</b>							
GP7F0C1U	GP7000F Model 600 w/2 x SPARC64 GP 300MHz/8MB cache	1		33,289.10	33,289.10	4,993.37/5yr	4,993.37
GP7F1C12U	2 x SPARC64 GP 300MHz/8MB cache (2 to 4)	1		22,230.00	22,230.00	3,334.50/5yr	3,334.50
GP7F1C13U	2 x SPARC64 GP 300MHz/8MB cache (4 to 6)	1		22,230.00	22,230.00	3,334.50/5yr	3,334.50
GP7F1C14U	2 x SPARC64 GP 300MHz/8MB cache (6 to 8)	1		22,230.00	22,230.00	3,334.50/5yr	3,334.50
GP7F2M61U	1GB (4 x 256MB) Memory	8		5,200.00	41,600.00	780.00/5yr	6,240.00
GP7B7PB1U	PCI Slot Extension	1		663.00	663.00	99.45/5yr	99.45
X6541A-U	Ultra/Wide/Differential SCSI-2 adapter	7		1,224.00	8,568.00	183.60/5yr	1,285.20
GP7B3D41U	Internal HDD (4GB, 7200rpm)	1		552.00	552.00	82.80/5yr	82.80
GP7B3D42U	Internal HDD (4GB, 10000rpm)	8		780.00	6,240.00	117.00/5yr	936.00
GP7B3D92U	Internal HDD (9GB, 10000rpm)	23		1,040.00	23,920.00	156.00/5yr	3,588.00
GP7B7FU1U	Expansion File Unit	3		2,470.00	7,410.00	370.50/5yr	1,111.50
GP7B7FU2U	File Unit Expansion	3		585.00	1,755.00	87.75/5yr	263.25
WY-55	Wyse WY-55 terminal + keyboard + 2 year warranty extension	1	1	573.00	573.00	0.00/yr	0.00
GP723ET2U	8mm Tape unit	1		884.00	884.00	132.60/5yr	132.60
F6403A3L	Disk array Rackmount model A3 base unit (includes Disk Drive Modules & cables)	9		22,202.00	199,818.00	720.00/mo	388,800.00
F6403A12L	SCSI RAID controller pair M128 (128MB cache)	18		16,694.00	300,492.00	2,504.10/5yr	45,073.80
F6403A23L	10,000rpm 9GB disk drive	425		1,687.00	716,975.00	253.05/5yr	107,546.25
F6403A41L	19inch Rack (Data Center Cabinet)	9		2,890.00	26,010.00	433.50/5yr	3,901.50
SU3000INET	APC SU3000INET UPS (3000VA/2250W)	1	2	2,252.00	2,252.00	457.00/5yr	457.00
DCBL-SCR05	5m VHDCI - 68P SCSI cable	16		86.00	1,376.00	12.90/5yr	206.40
SCBL-DSC05	5m 68P - 68P SCSI cable	18		86.00	1,548.00	12.90/5yr	232.20
<b>Server Storage Subtotals</b>					1,440,615.10		574,952.82
<b>Server Software</b>							
	Solaris 2.6 and Server Supplement Software	1		100.00	100.00	0.00/yr	0.00
B23G350H0	SymfoWARE Server Enterprise Edition for VLM 2.0	1		240,098.00	240,098.00	48,019.60/yr	240,098.00
	SynfinityDisk 1.0	1		832.00	832.00	0.00/yr	0.00
<b>Server Software Subtotals</b>					241,030.00		240,098.00
<b>Client Hardware</b>							
GP5L820	GRANPOWER 5000 model 580 w/ 1 x Pentium II Xeon 400MHz/512KB, 128MB memory, 0GB disk, 1 10/100Base-TX	6		5,666.67	34,000.02	850.00/5yr	5,100.00
GP5-FG10D	Pentium II Xeon (400MHz/512KB)	6		1,347.86	8,087.16	202.18/5yr	1,213.07
GP5-RM12G	128MB (4 x 32MB) Memory	18		295.48	5,318.64	44.32/5yr	797.80
GP5-HDH45	Internal HDD (4GB)	6		352.14	2,112.84	52.82/5yr	316.93
GP5-182	FastEthernet Adapter (10/100Base-TX)	36		72.86	2,622.96	10.93/5yr	393.44
TMSRVR-OPTION-5929	17" Monitor (Universal)	6		465.48	2,792.88	69.82/5yr	418.93
<b>Client Hardware Subtotals</b>					54,934.50		8,240.18
<b>Client Software</b>							
	Microsoft Windows NT Server 4.0, include 5 CALs	6	3	809.00	4,854.00	0.00/yr	0.00
	Microsoft Visual C++ Professional 6.0	1	3	549.00	549.00	0.00/yr	0.00
	Microsoft Software Maintenance	1	3	0.00	0.00	2,095.00/yr	10,475.00
	Fujitsu COBOL Standard Edition	1		750.00	750.00	150.00/yr	750.00
	BEA Tuxedo 6.4 CFS	6	4	3,000.00	18,000.00	450.00/yr	13,500.00
<b>Client Software Subtotals</b>					24,153.00		24,725.00
<b>User Connectivity</b>							
TP1008C	CISCO Catalyst 2924XL 10/100 Ethernet Switch (24ports) * 8-Port RJ45 & BNC Ethernet Hub *	3	5	3,295.00	9,885.00	294.00/5yr	4,410.00
		3845	6	39.00	149,955.00	0.00/mo	0.00
<b>User Connectivity Subtotals</b>					159,840.00		4,410.00
<b>Totals</b>					1,920,572.60		852,425.99
<b>5 Year cost</b>							2,772,999
<b>tpmC</b>							33,113.60
<b>\$/ tpmC</b>							83.74
<b>Third Party :</b>							
	1 = SSP Data Products						
	2 = American Power Conversion Corp.						
	3 = Microsoft Corporation						
	4 = BEA Systems						
	5 = CISCO SYSTEMS						
	6 = COMPEX INC.						
* : 10% or minimum of 2 spares are included.							

**Notes:**

Results independently audited by Francois Raab of InfoSizing, 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 items, please inform the TPC at pricing@tpc.org. Thank you.

<b>Numerical Quantities Summary</b> <b>GP7000F Model 600 c/s w/ 6 Front-Ends</b> <b>SymfoWARE Server Enterprise Edition for VLM 2.0</b>								
<b>MQTH, Computed Maximum Qualified Throughput</b>						<b>33,113.60 tpmC</b>		
<b>Response Times (in seconds)</b>				<b>Average</b>		<b>90%</b>	<b>Max.</b>	
New-Order				1.26		1.60	66.23	
Payment				0.83		1.48	66.33	
Order-Status				0.80		1.46	61.07	
Delivery (interactive portion)				0.23		0.16	49.36	
Delivery (deferred portion)				1.09		1.86	61.80	
Stock-Level				0.81		1.49	61.09	
Menu				0.40		0.15	50.24	
<b>Transaction Mix, in percent of total transaction</b>								
New-Order						44.79		
Payment						43.08		
Order-Status						4.06		
Delivery						4.03		
Stock-Level						4.04		
<b>Emulation Delay (in seconds)</b>					<b>Resp. Time</b>		<b>Menu</b>	
New-Order					.1		.1	
Payment					.1		.1	
Order-Status					.1		.1	
Delivery (interactive)					.1		.1	
Stock-Level					.1		.1	
<b>Keying/Think Times (in seconds)</b>				<b>Min.</b>		<b>Average</b>		<b>Max.</b>
New-Order				18.10 0.02		18.11 12.05		18.29 120.28
Payment				3.04 0.02		3.06 12.08		3.26 120.36
Order-Status				2.04 0.02		2.06 10.19		2.23 101.75
Delivery (interactive)				2.04 0.02		2.06 5.07		2.22 49.81
Stock-Level				2.04 0.01		2.06 5.06		2.20 48.98
<b>Test Duration</b>								
<b>Ramp-up time (seconds)</b>						<b>2,130</b>		
<b>Measurement interval</b>						<b>1,800</b>		
<b>Transactions during measurement interval</b>						<b>993,408</b>		
<b>Checkpointing</b>								
<b>Number of checkpoints</b>						<b>1</b>		
<b>Checkpoint interval</b>						<b>1,800</b>		
<b>Reproducibility Run</b>								
<b>Reported measurement</b>						<b>33,113.60</b>		
<b>Reproducibility measurement</b>						<b>33,043.93</b>		
<b>Difference</b>						<b>0.21%</b>		