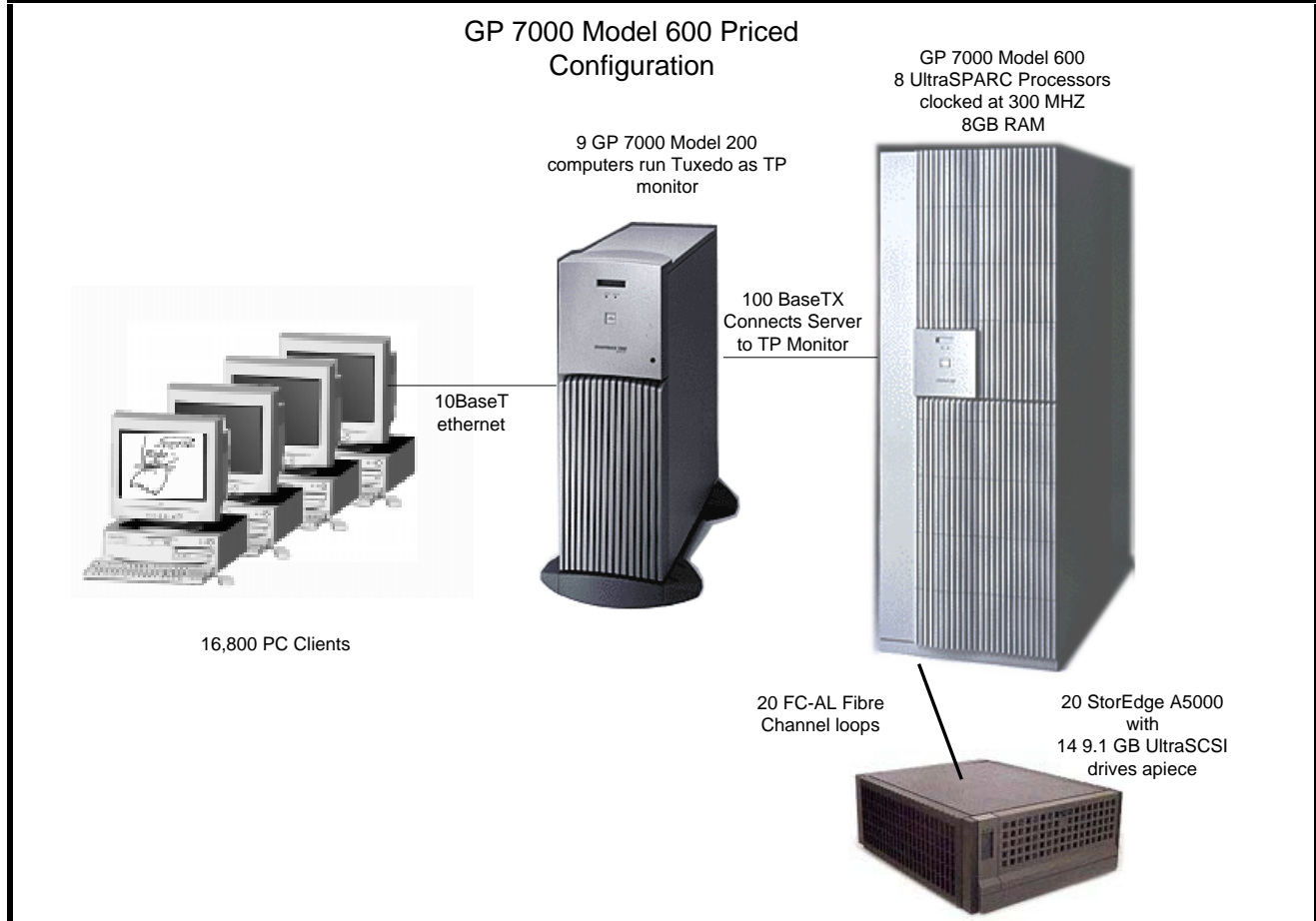


## Priced Configuration


<b>FUJITSU</b>		<b>GP 7000 Model 600 c/s w/ 9 Front-Ends</b>		TPC-C Rev 3.3.3	
				Report Date: July 30, 1998	
Total System Cost		TPC-C Throughput		Price/Performance	
\$2,224,842.20		20,170.63 tpmC		\$110.30/tpmC	
				Availability Date	
				January 21'st, 1999	
Processors		Database Manager		Operating system	
8 UltraSPARC @300Mhz		SymfoWARE Server for VLM 2.0		Solaris 2.6	
				Other Software	
				Tuxedo 4.2 Volume Manager 2.5 COBOL85 V20	
				Number of users	
				16,800	



RDBMS SERVER			CLIENTS	
SYSTEM COMPONENTS	QTY	DESCRIPTION	QTY	DESCRIPTION
PROCESSOR	8	ULTRASPARC @ 300MHZ	9	1 ULTRASPARC @ 250MHZ
CACHE MEMORY		2MB (EACH PROCESSOR)		1 MB (EACH)
MEMORY		8GB	9	1GB
DISK CONTROLLER	10	FC-AL HOST ADAPTORS	--	--
DISKS	280	8.4 GB DISK	18	2.0GB DISK
	7	4.0 GB DISK		
	8	2.0 GB DISK		
TOTAL		2396GB		
SCSI CONTROLLER	3	FAST-WIDE SCSI		
TERMINAL	1	CONSOLE	1	CONSOLE
NETWORK INTERFACE	1	100 BASE-TX	3	2 10BASET, 1 100BASETX
HUBS	3	8-PORT (100 BASE-TX)	2,117	NETLUX (8 PORT HUBS)
PC'S			16,800	PC'S RUNNING WINDOWS95

Numerical Quantities Summary								
GP 7000 Model 600 c/s w/ 9 Front-Ends								
SymfoWARE Server for VLM 2.0								
<b>MQTH, Computed Maximum Qualified Throughput</b>						<b>20,170.63</b>		
<b>tpmC</b>								
<b>Response Times (in seconds)</b>				<b>Average</b>		<b>90%</b>	<b>Max.</b>	
New-Order				1.59		1.63	84.58	
Payment				1.09		1.43	89.27	
Order-Status				0.94		1.42	79.16	
Delivery (interactive portion)				0.31		0.22	62.12	
Delivery (deferred portion)				1.56		2.20	77.86	
Stock-Level				0.78		1.41	72.36	
Menu				0.01		0.01	1.38	
<b>Transaction Mix, in percent of total transaction</b>								
New-Order						44.75		
Payment						43.11		
Order-Status						4.05		
Delivery						4.05		
Stock-Level						4.04		
<b>Emulation Delay (in seconds)</b>					<b>Resp. Time</b>		<b>Menu</b>	
New-Order					N/A		N/A	
Payment					N/A		N/A	
Order-Status					N/A		N/A	
Delivery (interactive)					N/A		N/A	
Stock-Level					N/A		N/A	
<b>Keying/Think Times (in seconds)</b>				<b>Min.</b>		<b>Average</b>		<b>Max.</b>
New-Order				18.09 0		18.11 12.06		18.36 120.33
Payment				3.04 0		3.06 12.06		3.31 120.17
Order-Status				2.04 0		2.05 10.15		2.22 96.18
Delivery (interactive)				2.04 0		2.06 5.07		2.25 48.37
Stock-Level				2.04 0		2.06 5.02		2.24 48.96
<b>Test Duration</b>								
<b>Ramp-up time (seconds)</b>						<b>4680</b>		
<b>Measurement interval</b>						<b>1800</b>		
<b>Transactions during measurement interval</b>						<b>605,119</b>		
<b>Ramp down time</b>								
<b>Checkpointing</b>								
<b>Number of checkpoints</b>						<b>0</b>		
<b>Checkpoint interval</b>						<b>1800</b>		
<b>Reproducibility Run</b>								
<b>Reported measurement</b>						<b>20,170.63</b>		
<b>Reproducibility measurement</b>						<b>20,126.73</b>		
<b>Difference</b>						<b>43.90</b>		

# Detailed Pricing Information

		<b>Detailed Pricing Information</b> GP 7000 Model 600 c/s w/ 9 Front-Ends			TPC-C Rev April 16th, 1998 Report Date: July 30, 1998		
Order Number	Description	Quantity	Third Party	Unit Price	Extended Price	Maintenance rate/unit*	5 Years Maintenance
<b>Server Hardware</b>							
882-00008-A	GP7000 Model 600 w/2 x UltraSPARC-II 300MHz/2MB cache	1		39,500.00	39,500.00	/5yr	0.00
822-00023	2 x UltraSPARC-II 300MHz/2MB cache (2 to 4)	1		20,500.00	20,500.00	/mo	0.00
822-00024	2 x UltraSPARC-II 300MHz/2MB cache (4 to 6)	1		20,500.00	20,500.00	/mo	0.00
822-00025	2 x UltraSPARC-II 300MHz/2MB cache (6 to 8)	1		20,500.00	20,500.00	/mo	0.00
952-00065	Software support	1		0.00	0.00	8,757.00/yr	8,757.00
952-00066	Hardware + Software support	1		0.00	0.00	14,594.00/yr	58,376.00
952-00070	Additional Processor support	6		0.00	0.00	450.00/yr	10,800.00
822-00005	1GB (4 x 256MB) Memory	8		12,500.00	100,000.00	/mo	0.00
822-00011	19" Rackmount Disk Expansion Unit	2		2,450.00	4,900.00	/mo	0.00
512-00009	Internal HDD (2GB)	8		900.00	7,200.00	/mo	0.00
822-00006	Internal HDD (4GB)	7		1,250.00	8,750.00	/mo	0.00
822-00031	SBus slot upgrade (8 to 16)	1		6,500.00	6,500.00	/mo	0.00
820-00031	Fast/Wide/Differential SCSI-2 adapter	2		1,300.00	2,600.00	/mo	0.00
SG-XARY011A-127G	AS000 disk array w/ 14 x 9.1GB disks	20	1,2	37,800.00	756,000.00	9,127.76/5yr	182,555.20
X6730A	FC-AL host adapter w/ 1 GBIC module	10	1,2	1,620.00	16,200.00	/mo	0.00
X6732A	FC-AL 7port hub unit	20	1,2	1,380.00	27,600.00	/mo	0.00
X978A	Fibre Optic Cable (15m)	20	1,2	175.00	3,500.00	/mo	0.00
X6731A	GBIC module	70	1,2	360.00	25,200.00	/mo	0.00
820-00027	FastEthernet Adapter (10/100Base-TX)	1		800.00	800.00	/mo	0.00
WY-55	Wyse WY-55 terminal + 2 year warranty extension	1	3	295.00	295.00	100.00/2yr	100.00
822-00008	8mm Tape unit	1		1,360.00	1,360.00	/mo	0.00
<b>Server Hardware Subtotals</b>					1,061,905.00		260,588.20
<b>Server Software</b>							
830-00062	Solaris 2.6 and Server Supplement Software	1		100.00	100.00	/yr	0.00
B23G0X1H	SymfowARE Server for VLM 2.0	1		186,723.00	186,723.00	37,344.60/5yr	186,723.00
D151DX0	C Workbench 2.0.3	1		995.00	995.00	/yr	0.00
<b>Server Software Subtotals</b>					187,818.00		186,723.00
<b>Client Hardware</b>							
882-00002	GP7000 Model 200 w/ 1 x UltraSPARC-II 250MHz/1MB cache	9		9,500.00	85,500.00	/yr	0.00
952-00023	Software support	9		0.00	0.00	1,895.00/yr	17,055.00
952-00024	Hardware + Software support	9		0.00	0.00	2,940.00/yr	105,840.00
822-00003	256MB (4 x 64MB) Memory	36		2,800.00	100,800.00	/mo	0.00
512-00009	Internal HDD (2GB)	18		900.00	16,200.00	/mo	0.00
820-00027	FastEthernet Adapter (10/100Base-TX)	18		800.00	14,400.00	/mo	0.00
WY-55	Wyse WY-55 terminal + 2 year warranty extension	9	3	295.00	2,655.00	100.00/2yr	900.00
<b>Client Hardware Subtotals</b>					219,555.00		123,795.00
<b>Client Software</b>							
20-0301-2121-0401-200	Fujitsu COBOL Professional for Sun Solaris V4	1		2,000.00	2,000.00	500.00/yr	2,500.00
	BEA Tuxedo 4.2	9	4	4,200.00	37,800.00	630.00/yr	28,350.00
<b>Client Software Subtotals</b>					39,800.00		30,850.00
<b>User Connectivity</b>							
NH2012	100BASE-TX Switching Hub units (8ports) *	5	3	2,100.00	10,500.00	0.00/mo	0.00
NH2012-61A	5 year advance exchange warranty	5	3	0.00	0.00	1,098.00/5yr	5,490.00
NX-H9+	UTP 8 Port Hub with BNC *	2329	5	42.00	97,818.00	0.00/mo	0.00
<b>User Connectivity Subtotals</b>					108,318.00		5,490.00
<b>Totals</b>					1,617,396.00		607,446.20
<b>5 Year cost</b>							2,224,842.20
<b>tpmC</b>							20,170.63
<b>\$ / tpmC</b>							110.30

**Third Party Pricing:**

- 1 = Sun Microsystems
- 2 = SUNSERVICE (Suppor)
- 3 = SSP Data
- 4 = BEA Systems
- 5 = NETLUX

\* : 10% or minimum of 2 spares are included

**Notes:**

- GP hardware has a 12 month warranty. Thus to cost 5 years of hardware maintenance, a total of 48 months is calculated.

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](mailto:pricing@tpc.org). Thank you.