
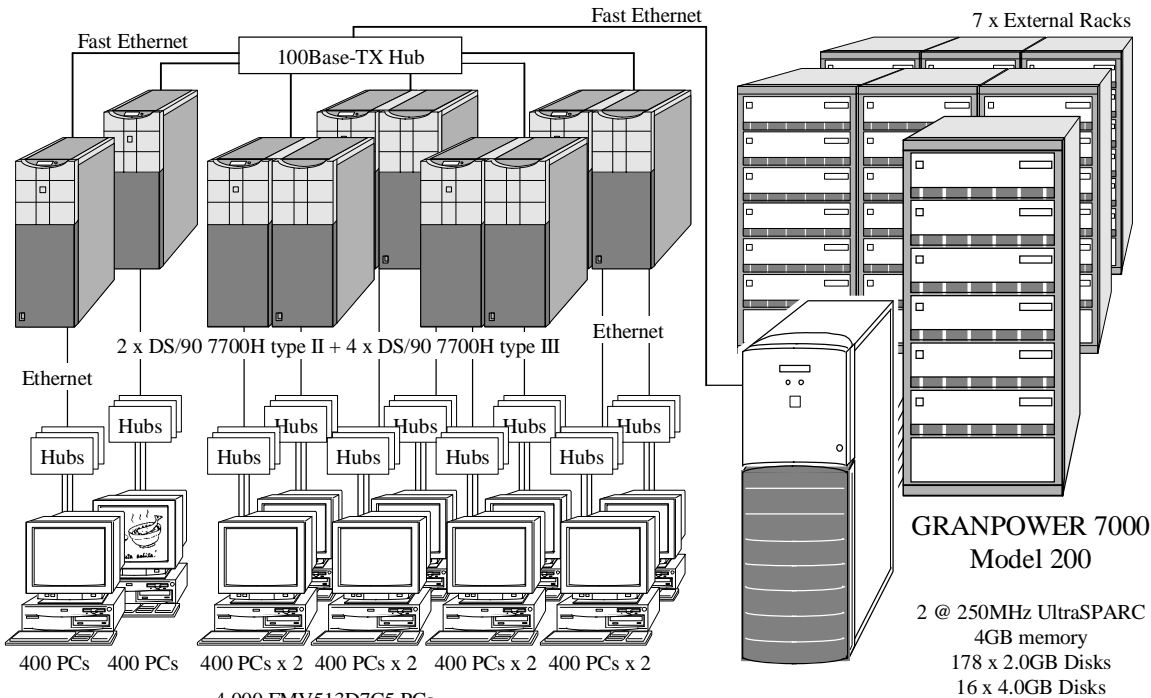



Priced Configuration

		Fujitsu GRANPOWER 7000 Model 200		TPC-C Rev. 3.2	
		C/S with 6 Front-Ends		Report Date: Jan. 1997	
Total System Cost		TPC-C Throughput		Price/Performance	
481,255,900 Yen		4,718.73 tpmC		101,988 Yen/tpmC	
Availability Date		July 1997			
Processors		Database Manager		Operating System	
2 @ 250MHz UltraSPARC		Oracle7 RDBMS Version 7.3 Japanese Version		UXP/DS Basic Software V20	
		Other Software		Number of Users	
		TP-Base V20		4,000	
					
System Components		Qty		Server Description	
Processor		2		UltraSPARC @ 250MHz	
Cache Memory		1MB (each processor)		4 hyperSPARC @ 142MHz	
Memory		4,096MB		2 hyperSPARC @ 142MHz	
Disk Controller		1		Wide-SCSI (1 Channel, internal)	
Disks		17		Wide-SCSI (1 Channel)	
Total Disk Storage		178		2.0GB Disk	
Terminals		16		4.0GB Disk	
Hubs		1		420.0GB	
		1		Console	
		1		8-port (100Base-TX)	
		120		36-port (10Base-T)	

Detailed Pricing information

	Fujitsu GRANPOWER 7000 Model 200 C/S with 6 Front-Ends	TPC-C Rev. 3.2
		Report Date: Jan. 1997

1997/1/16						
Server Systems Department, Marketing Division, Marketing Group						
FUJITSU LIMITED						
Order Number	Description	Quantity	Unit Price	Extended Price	Maintenance rate/unit*	5 Years Maintenance
Server Hardware						
GP720A202	GRANPOWER 7000 model 200 (2cpu) with 100/10Mbps LAN adapter	1	6,050,000	6,050,000	25,200	1,360,800
GP762M8202	Additional memory (4GB)	1	50,400,000	50,400,000	0	0
F7978SB2	SBus extension unit	3	900,000	2,700,000	4,500	729,000
F7958HS1	Wide SCSI-2 adapter	17	250,000	4,250,000	0	0
F7945A5E	Addition Wide-SCSI Disk unit (2GB)	177	380,000	67,260,000	1,900	18,160,200
F7973D41A	Addition Wide-SCSI Disk unit (4GB)	16	680,000	10,880,000	3,400	2,937,600
F7949RA3	External Rack	7	630,000	4,410,000	3,200	1,209,600
F7949FU2A	External File unit	34	700,000	23,800,000	3,500	6,426,000
F7960A11	Display unit	1	380,000	380,000	1,500	81,000
DCBL-RCB05	RS-232 cable	1	16,000	16,000	0	0
F7953A4A	8mm Tape device	1	840,000	840,000	4,200	226,800
Server Hardware Subtotals				170,986,000		31,131,000
Server Software						
B7831DK62	UXP/DS Basic Software V20	1	262,000	262,000	440,000	2,200,000
	ORACLE7 RDBMS & SQL*Net	1	38,471,850	38,471,850	7,694,370	38,471,850
Server Software Subtotals				38,733,850		40,671,850
Client Hardware						
F7970C5	DS/90 7000 model 7700H type II with 10Mbps LAN adapter	2	4,700,000	9,400,000	19,600	2,116,800
F7970C3	DS/90 7000 model 7700H type III with 64MB RAM and 10Mbps LAN adapter	4	9,050,000	36,200,000	37,700	8,143,200
F7952M31	Additional memory (64MB)	76	864,000	65,664,000	0	0
F7958FE1	100Mbps LAN adapter	6	185,000	1,110,000	0	0
F7930LA2D	10Mbps LAN adapter	4	120,000	480,000	0	0
F7960A11	Display unit	6	380,000	2,280,000	1,500	486,000
DCBL-RCB05	RS-232 cable	6	16,000	96,000	0	0
Client Hardware Subtotals				115,230,000		10,746,000
Client Software						
B78315K6H	UXP/DS Basic Software V20 (for type III)	1	1,040,000	1,040,000	220,000	1,100,000
B78310K0H	Additional user license	3	880,000	2,640,000	220,000	3,300,000
B78315K6G	UXP/DS Basic Software V20 (for type II)	1	740,000	740,000	220,000	1,100,000
B78310K0G	Additional user license	1	640,000	640,000	220,000	1,100,000
D783HZK60	TP-Base/sdk V20 (1 user)	1	300,000	300,000	270,600	1,353,000
D783HUK62	TP-Base/rt V20 (8 user)	1	500,000	500,000	270,600	1,353,000
S783HUK02	Additional user license	5	400,000	2,000,000	88,000	2,200,000
Client Software Subtotals				7,860,000		11,506,000
User Connectivity						
SH2500	100BASE-TX Switching Hub units (8ports) *	3	1,280,000	3,840,000	6,000	972,000
LH36XA	Hub units (36ports) *	132	300,000	39,600,000	1,400	9,979,200
User Connectivity Subtotals				43,440,000		10,951,200
Totals				376,249,850		105,006,050
5 Year cost						481,255,900
tpmC						4718.73
Yen / tpmC						101,988
(* 10% or minimum of 2 spares are included.)						

Notes:

- Audited by Performance Metrics Inc.
- Japanese yen prices are not convertible to other currencies at exchange rates.
- GRANPOWER hardware has a 6 month warranty. Thus to cost 5 years of hardware maintenance, a total of 54 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. Thank you.

Numerical Quantities Summary							
GRANPOWER 7000 Model 200				Oracle V7.3			
MQTH, Computed Maximum Qualified Throughput						4718.73 tpmC	
Response Times (in seconds)			Average		90%	Max.	
New-Order			1.54		2.99	16.11	
Payment			1.10		2.47	16.11	
Order-Status			1.17		2.54	14.64	
Delivery (interactive portion)			0.13		0.25	2.45	
Delivery (deferred portion)			1.44		2.95	16.57	
Stock-Level			1.03		2.38	15.53	
Menu			0.17		0.27	29.52	
Transaction Mix, in percent of total transaction							
New-Order						44.62	
Payment						43.29	
Order-Status						4.05	
Delivery						4.00	
Stock-Level						4.04	
Emulation Delay (in seconds)					Resp. Time	Menu	
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	
Keying/Think Times (in seconds)			Min.		Average		Max.
New-Order			18.02	0.00	18.21	12.17	18.68
Payment			3.01	0.00	3.07	12.25	3.46
Order-Status			2.01	0.01	2.06	10.14	2.40
Delivery (interactive)			2.01	0.00	2.06	5.06	2.54
Stock-Level			2.01	0.00	2.06	5.04	2.37
Test Duration							
Ramp-up time (seconds)						2340	
Measurement interval						1800	
Transactions during measurement interval						141562	
Ramp down time							
Checkpointing							
Number of checkpoints						1	
Checkpoint interval						1800 sec.	
Reproducibility Run							
Reported measurement						4718.73	
Reproducibility measurement						4691.90	
Difference						26.83	