
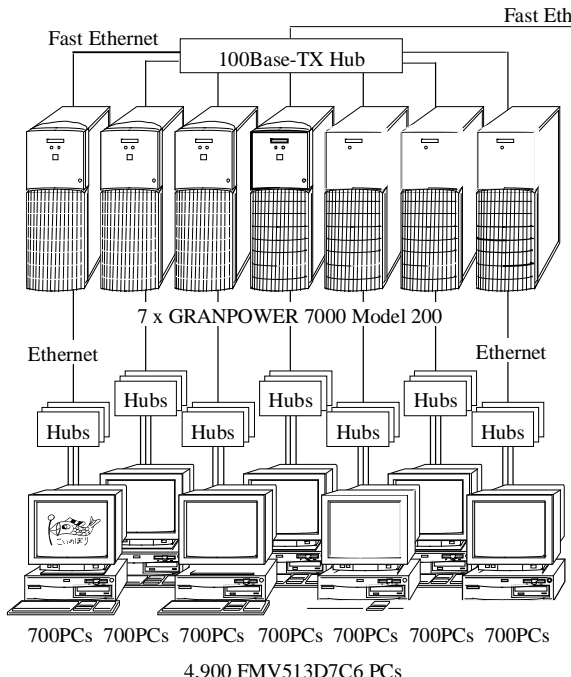


## Priced Configuration

		<b>Fujitsu GRANPOWER 7000</b> <b>Model 200</b> <b>C/S with 7 Front-Ends</b>		TPC-C Rev. 3.3					
				Report Date: May. 1997					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
399,301,820 Yen		5,738.30 tpmC		69,585 Yen/tpmC		Nov. 12, 1997			
Processors		Database Manager		Operating System		Other Software		Number of Users	
2 @ 250MHz UltraSPARC		SymfoWARE Server for UltraSPARC V11L20		UXP/DS Basic Software V20		LVCF V22 TP-Base V20 COBOL85 V20		4,900	

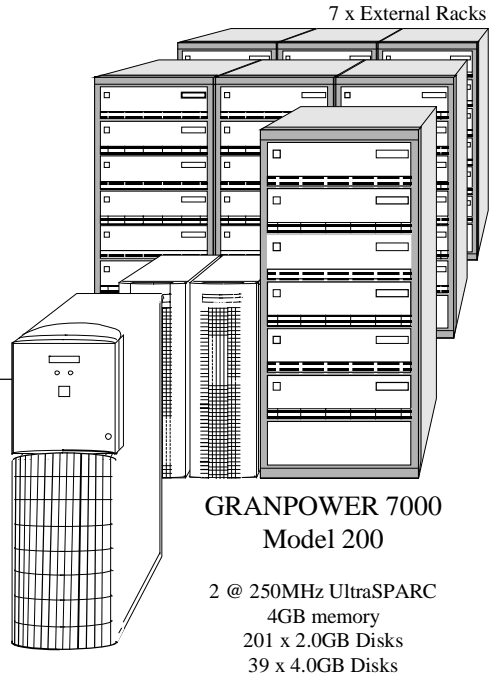
  



7 x GRANPOWER 7000 Model 200

700PCs 700PCs 700PCs 700PCs 700PCs 700PCs 700PCs

4,900 FMV513D7C6 PCs



7 x External Racks


**GRANPOWER 7000**  
**Model 200**

2 @ 250MHz UltraSPARC  
4GB memory  
201 x 2.0GB Disks  
39 x 4.0GB Disks

System Components	Qty	Server Description	Qty	Client Description (each)
Processor	2	UltraSPARC @ 250MHz	7	2 UltraSPARC @ 167MHz
Cache Memory		1MB (each processor)		512KB (each processor)
Memory		4,096MB	7	768MB
Disk Controller	1	Wide-SCSI (1 Channel, internal)	7	SCSI-2 (1 Channel)
Disks	19	Wide-SCSI (1 Channel)		
	201	2.0GB Disk	7	2.0GB Disk
	39	4.0GB Disk		
Total Disk Storage		558.0GB	7	2.0GB
Terminals	1	Console	7	Console
Hubs	1	8-port (100Base-TX)	210	24-port (10Base-T)

## Detailed Pricing information

		<b>Fujitsu GRANPOWER 7000</b> <b>Model 200</b> <b>C/S with 7 Front-Ends</b>		<b>TPC-C Rev. 3.3</b>		
				<b>Report Date: May, 1997</b>		
Order Number	Description	Quantity	Unit Price	Extended Price	Maintenance rate/unit	5 Years Maintenance
<b>Server Hardware</b>						
GP720B1	GRANPOWER 7000 model 200 (1cpu@250MHz) with 100/10Mbps LAN adapter	1	3,600,000	3,600,000	15,000	810,000
GP721B11	Additional CPU module (1cpu@250MHz)	1	2,300,000	2,300,000	9,600	518,400
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	19	250,000	4,750,000	0	0
GP723D41	Additional Wide-SCSI Disk unit (4GB/internal)	3	390,000	1,170,000	2,000	324,000
F7945A5E	Additional Wide-SCSI Disk unit (2GB)	176	380,000	66,880,000	1,900	18,057,600
F7973D41A	Additional Wide-SCSI Disk unit (4GB)	21	680,000	14,280,000	3,400	3,855,600
F7915AR11	RAID5 Disk Array unit (8GB)	1	5,100,000	5,100,000	25,500	1,377,000
F7915AR31A	Additional RAID5 Array disks (8GB)	4	1,200,000	4,800,000	6,000	1,296,000
F7915AR2	RAID0 Disk Array unit (20GB)	1	6,200,000	6,200,000	31,000	1,674,000
F7915AR33	Additional RAID0 Array disks (20GB)	2	2,100,000	4,200,000	10,500	1,134,000
F7949RA3	External Rack	7	630,000	4,410,000	3,200	1,209,600
F7949FU2A	External File unit	32	700,000	22,400,000	3,500	6,048,000
F7960A11	Display unit	1	380,000	380,000	1,500	81,000
DCBL-RCB05	RS-232 cable	1	16,000	16,000	0	0
GP723ET1	8mm Tape device	1	840,000	840,000	4,200	226,800
<b>Server Hardware Subtotals</b>				<b>194,426,000</b>		<b>37,341,000</b>
<b>Server Software</b>						
B7831DK62	UXP/D/S Basic Software V20	1	262,000	262,000	440,000	2,200,000
B7836KM3L	LVC F V22	1	400,000	400,000	0	0
D782MEB16	SymfoWARE Server for UltraSPARC V11L20 (64 users)	1	13,820,000	13,820,000	752,400	3,762,000
D782MEB8U	Additional user license (16 users)	1	2,850,000	2,850,000	0	0
<b>Server Software Subtotals</b>				<b>17,332,000</b>		<b>5,962,000</b>
<b>Client Hardware</b>						
GP720A1	GRANPOWER 7000 model 200 (1cpu@167MHz) with 100/10Mbps LAN adapter	7	2,400,000	16,800,000	10,000	3,780,000
GP721A11	Additional CPU module (1cpu@167MHz)	7	1,495,000	10,465,000	6,200	2,343,600
GP722M41	Additional memory (256MB)	14	2,600,000	36,400,000	0	0
GP722M31	Additional memory (128MB)	14	960,000	13,440,000	0	0
F7958FE1	100M/10Mbps LAN adapter	7	165,000	1,155,000	0	0
F7960A11	Display unit	7	380,000	2,660,000	1,500	567,000
DCBL-RCB05	RS-232 cable	7	16,000	112,000	0	0
<b>Client Hardware Subtotals</b>				<b>81,032,000</b>		<b>6,690,600</b>
<b>Client Software</b>						
S7831DK0Z	UXP/D/S Basic Software V20 (unlimited client access license)	7	1,698,000	11,886,000	352,000	12,320,000
D782R0K31	COBOL85 V20 (4 user)	1	400,000	400,000	0	0
D782R4K64	COBOL85 runtime system V20 (16 users)	1	200,000	200,000	0	0
S782R4K04	Additional machine license	6	160,000	960,000	0	0
D783HZK60	TP-Base/sdk V20 (1 user)	1	300,000	300,000	33,000	165,000
D783HUK32	TP-Base/rt V20 (8 user)	1	500,000	500,000	27,500	137,500
S783HUK02	Additional user license	6	400,000	2,400,000	27,500	825,000
<b>Client Software Subtotals</b>				<b>16,646,000</b>		<b>13,447,500</b>
<b>User Connectivity</b>						
<i>(Pricing from Fujitsu Limited)</i>						
LH1100	Fast Ethernet hub units (8ports) *	3	188,000	564,000	900	145,800
<i>(Pricing from Allied Telesis, K.K.)</i>						
	CentreCOM 3024TR hub units (24ports) *	231	89,800	20,743,800	5,380	4,971,120
<b>User Connectivity Subtotals</b>				<b>21,307,800</b>		<b>5,116,920</b>
<b>Totals</b>				<b>330,743,800</b>		<b>68,558,020</b>
<b>5 Year cost</b>						<b>399,301,820</b>
<b>tpm C</b>						<b>5738.30</b>
<b>Yen / tpm C</b>						<b>69.585</b>
(* 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 months warranty. Thus to cost 5 years of hardware maintenance, a total of 54 months is calculated.
  - Allied Telesys hubs have a 1 year warranty. Therefore, an additional 48 months of maintenance is included.
- 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 terms, please inform the TPC at [pricing@tpc.org](mailto:pricing@tpc.org). Thank you.

<b>Numerical Quantities Summary</b>								
<b>GRANPOWER 7000 Model 200</b>				<b>SymfoWARE V11L20</b>				
<b>MQTH, Computed Maximum Qualified Throughput</b>						<b>5,738.30 tpmC</b>		
<b>Response Times (in seconds)</b>			<b>Average</b>		<b>90%</b>	<b>Max.</b>		
New-Order			1.71		2.81	39.45		
Payment			1.43		2.47	44.67		
Order-Status			1.48		2.49	33.64		
Delivery (interactive portion)			0.13		0.27	1.32		
Delivery (deferred portion)			1.68		2.99	28.91		
Stock-Level			1.70		3.47	16.36		
Menu			0.17		0.26	2.03		
<b>Transaction Mix, in percent of total transaction</b>								
New-Order						44.75		
Payment						43.12		
Order-Status						4.04		
Delivery						4.03		
Stock-Level						4.06		
<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			18.04	0.00	18.27	12.04	18.62	121.19
Payment			3.08	0.00	3.13	12.15	3.36	121.68
Order-Status			2.09	0.00	2.14	10.15	2.35	91.40
Delivery (interactive)			2.09	0.00	2.14	5.14	2.39	48.70
Stock-Level			2.09	0.01	2.14	5.12	2.34	49.40
<b>Test Duration</b>								
Ramp-up time (seconds)						2990		
Measurement interval						1800		
Transactions during measurement interval						172149		
Ramp down time								
<b>Checkpointing</b>								
Number of checkpoints						1		
Checkpoint interval						1800 sec.		
<b>Reproducibility Run</b>								
Reported measurement						5738.30		
Reproducibility measurement						5729.03		
Difference						0.1%		