

Sun Microsystems

Ultra Enterprise 6000 C/S w/8 Front-Ends

TPC-C

Report Date: 11/18/97

Order Number	Description	Quantity	Unit Price	Extended Price	Maint. rate/unit	5 yr total Maint.
Server Hardware						
<i>Pricing from CAT Technology, Inc.</i>						
E6002	Ultra Enterprise 6000 Base Package	1	131250	131250	2448	117504
2601A	CPU/Memory Board	4	6750	27000	154	33264
2550A	UltraSPARC module,250Mhz, 4MB Ec:	8	14250	114000		
7023A	1024MByte memory expansion	5	21000	105000		
2610A	SBus I/O Board	2	4875	9750		
954A	Power/Cooling Module	2	1350	2700		
6596A	SSA 219 RSM w/42*9.1GB disks	2	116055	232110	163.00	17604
6519A	SSA 114 w/30*4.2GB disks	3	44175	132525	122.00	19764
6517A	SSA 114 w/6*4.2GB disks	1	18075	18075	122.00	6588
1057A	Fiber Channel SBus Card	1	1200	1200		
595A	FibreChannel Optical Module	5	450	2250		
6104A	2.5GB 1/4" Internal Tape Drive	1	675	675		

Ultra Enterprise 6000 Subtotal:

776,535.00

194,724.00

Client Hardware

Pricing from CAT Technology, Inc.

A11-UBA1-13A-T64AB	Ultra Enterprise 1 Model 170 (64MB RAM + 1 x 2.1GB SCSI Disk)	8	5996	47970	86	37152
X1059A	SBUS Fast Ethernet	16	596	9540		
X7003A	128 MB SIMM expansion	32	1500	48000		

Ultra Enterprise 1 Subtotal:

105,510.00

37,152.00

User Connectivity

Terminal Pricing from SunExpress, Hubs from NETLUX, Inc.

SX-WY35-G-G35	Wyse 35 terminal for console	9	295	2655		
Nx-H9+	NETLUX (8+1) port 10Mbps Hub	1857	48	89136		
NX-H5TX	5-port 100Mbps Fast Hub	4	169.00	676		

Terminals and Connectivity Subtotal:

92467.00

ALL HARDWARE SUBTOTALS:

974,512.00

231876.00

Server and Client Software

Sun Software Pricing from Sun

SOLS-C	Solaris Software on CD-ROM	1	100	100		
WCC-4.2-P	SPARCompiler Single User License	1	995	995	17	969

Sun Software Subtotal:

1095

969

DB2 Pricing from IBM DB2

DB2 UDB for Solaris V5.0	DB2 UDB for Solaris V5.0	1	177746	177746		0
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DB2 Software Subtotal:

177746

Tuxedo Pricing from BEA Systems, Inc.

Tuxedo 4.2.2 License		8	4200	33600	530	21200
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Tuxedo Software Subtotal:

33600

21200

ALL SOFTWARE SUBTOTALS:

212441.00

22169.00

Sun maintenance rate/unit is monthly rate and Tuxedo maintenance rate/unit is yearly rate
H/W Maintenance includes 1 YR warranty & 4 YR Maintenance

Discount

Sun hardware maintenance multiyear 12% discount plus 5% yearly prepaid discount 17% **-39,418.92**

TOTAL HARDWARE AND SOFTWARE COST (5 YR)

1,401,579.08

TpmC Rating

15694.34

Price Per TpmC

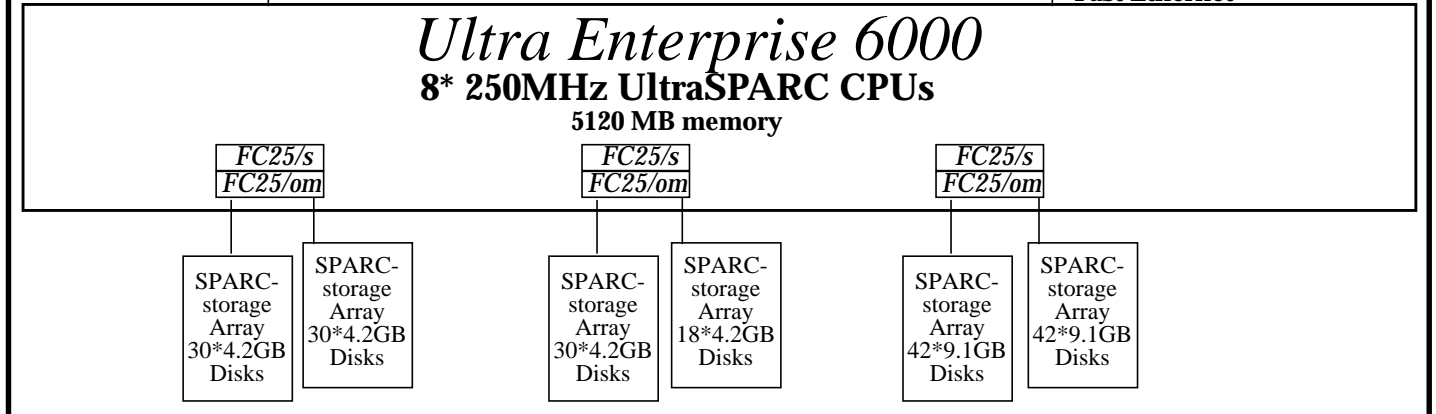
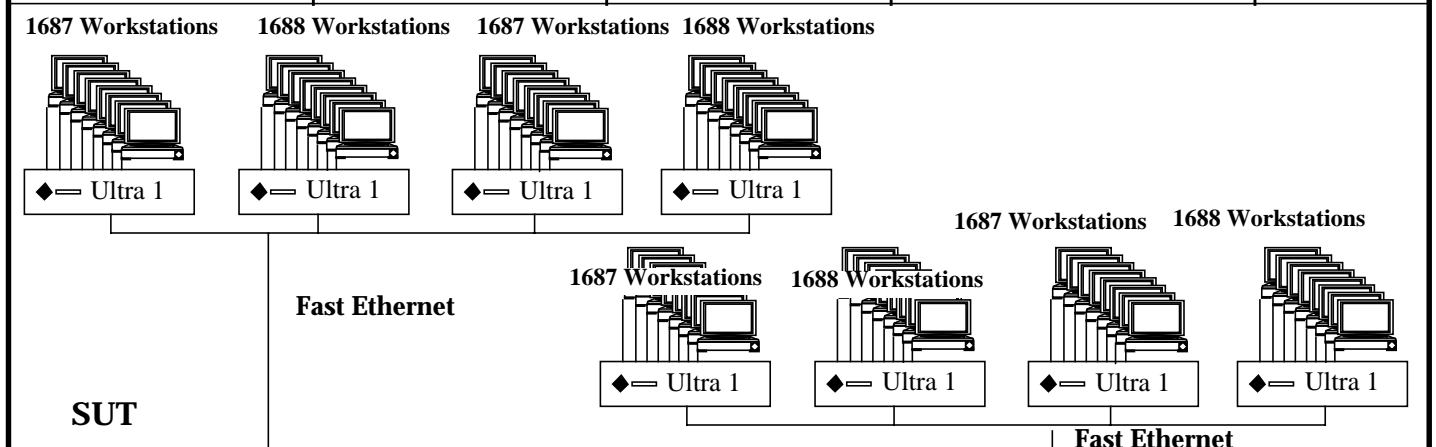
89.30

Notes:

"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"

Sun Microsystems	Ultra Enterprise 6000		TPC-C Rev 3.3.2
IBM Corporation	C/S w/8 Front-Ends		Report Date: 11/18/97
Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$1,401,579.08	15,694.34 tpmC	\$89.30 per tpmC	March 31, 1998

Processors	Database Manager	Operating System	Other Software	Number of Users
8 UltraSPARC 250 MHz	DB2 Universal Database for Solaris V5.0	Solaris 2.6	Tuxedo Ver. 4.2.2	13500



System Components	Server System	Front End Systems
Database Nodes:	1 Ultra Enterprise 6000	8 UltraServer 1 Model 170
Processors	8 x 250 MHz UltraSPARC RISC	1 x 167 MHz UltraSPARC each
Cache memory	32KB (D+I), 4MB External each	32KB (D+I), 512KB External each
Main memory	5120 MB	512 MB each
Disk controllers	3 FC25/S	1 x SCSI-2 each
Disk Drives	108 x 4.2 GB SCSI 84 * 9.1 GB SCSI	1 x 2.1GB SCSI-2 in each
Total Disk Storage	1218 GB	2 GB each
Terminals	1 Console	8 Consoles
Hubs	4 * 5-Port (100 BaseT)	1857 x 9-Port (10 BaseT)