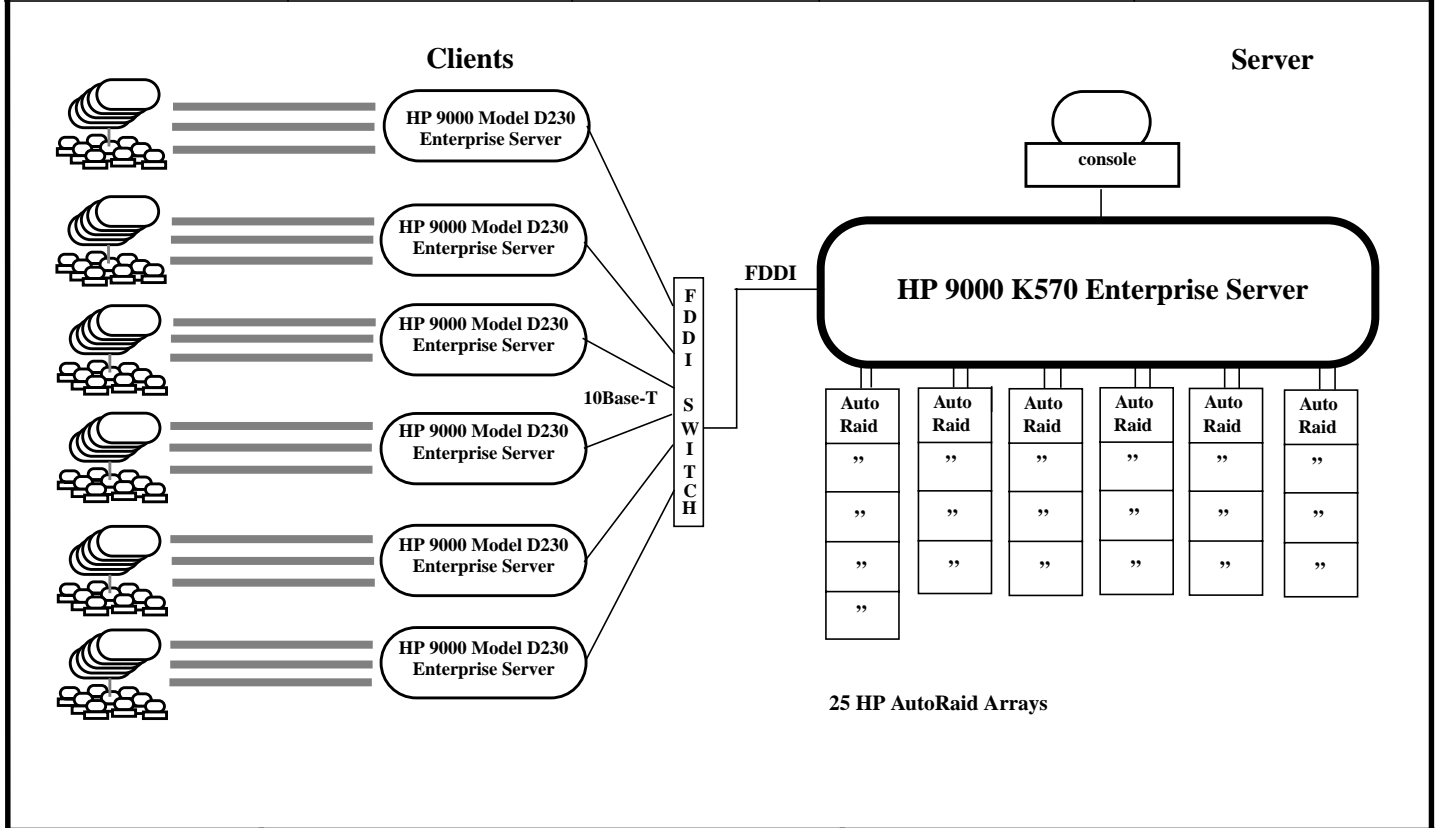


Hewlett-Packard Co.	HP 9000 K570 Enterprise Server Client/Server with 6 D230 front-ends		TPC-C® Rev 3.3.2
			Report Date: July 29, 1998
Total System Cost	TPC-C® Throughput	Price/Performance	Availability Date
\$1,800,558	21,358.00 tpmC®	\$84.31 / tpmC®	March 1, 1998
Processors	Database Manager	Operating System	Other Software
6 PA-RISC 8200 200 MHz	Sybase Adaptive Server Enterprise 11.5 EBF 7532	HP-UX 11.00 64-bit	TUXEDO Transaction Monitor 4.2.2
			Number of Users
			18,000



System Components	Server (K570)		Each Client of 6 (D230)	
	Qty	Type	Qty	Type
Processors	6	200 MHz PA-RISC 8200 2 MB I-cache, 2 MB D-cache	1	160 MHz PA-RISC 7300LC 1 MB combined L2 cache
Memory	8	GB	768	MB
Disk Controllers	6	HP-HSC FWD SCSI-2	1	HP-HSC FWD SCSI-2
Disk Drives	25	HP AutoRAID Arrays	1	4 GB Disk
Total Storage (GB)	1,331	GB	4	GB
Tape Drives	1	DDS Storage System		
Terminals	1	Console terminal	1	Console terminal

Hewlett-Packard Co.

HP 9000 K570 Enterprise Server

TPC-C® Rev 3.3.2

**Report Date:
July 29, 1998**

Hardware and Software Pricing

Description	Part Number	3d Party		Unit Price	Qty.	Extended Price	5 Year Maint. \$
		Brand	\$				
Server Hardware							
Hewlett Packard 9000 Model K570	A3641A		1	54,677	1	54,677	24,960
Upgrade base memory to 512 MB	A3747A		1	6,424	1	6,424	
Add'l PA RISC 8200 CPUs	A3669A		1	13,870	5	69,350	15,000
HP-UX Sys. Media, CD-ROM, Mat'ls	B3920EA Opt.AAF		1	380	1	380	
512 MB ECC Memory Board	A3737A Opt 0D1		1	5,606	15	84,090	
4 GB DAT Storage System (internal)	A3183A Opt. 0DZ		1	1,205	1	1,205	
700/96 Console	C1064GX		1	393	1	393	108
Memory carrier	A2992A		1	3,614	1	3,614	
Add 4 HP-HSC slots	A3695A		1	5,840	1	5,840	
FDDI Interface Card	J2157A Opt. AU3		1	4,157	1	4,157	
HP-HSC Fast/Wide Differential SCSI Int.	A2969A		1	945	5	4,725	
Auto Raid disk Array Model 12H	A3700AZ		1	4,453	25	111,325	119,938
Two 96 MB controllers with Auto Raid	Opt. 203		1	13,432	25	335,800	
Twelve 4 GB disk modules	Option 112		1	10,512	17	178,704	
Twelve 9 GB disk modules	Option 132		1	16,206	8	129,648	
1.3 kVA UPS Rackmount	A2996A Opt. 002		1	1,825	1	1,825	173
1.8 kVA UPS Rackmount	A2997A Opt 002		1	2,409	13	31,317	2,249
16 port RS-232 MUX	J2092AZ		1	1,577	1	1,577	
2.0m Field Integrated Cabinet	C2787A		1	1,460	7	10,220	
Fast/Wide SCSI Interface Cable(2.5m)	C2924A		1	102	6	612	
Fast/Wide SCSI Interface Cable(0.9m)	C2911A		1	88	19	1,672	
Subtotal						1,037,555	162,428
Server Software							
Sybase Adaptive Server V11.5	Runtime	Sybase	2	150,000	1	150,000	128,316
Sybase development		Sybase	2	9,600	1	9,600	
Sybase open client		Sybase	2	795	1	795	
Sybase discount		Sybase	2			-8,020	
Subtotal						152,375	128,316
Client Hardware							
Hewlett Packard 9000 Model D230 Client	A3574A		1	4,052	6	24,312	15,486
1 MB cache	A3586A Opt. 0D1		1	1,460	6	8,760	
Console	C1064GX		1	393	6	2,358	720
4 GB internal disk	A3643A Opt 0D1		1	949	6	5,694	
10Base-T Lan Card	A3658A		1	580	18	10,440	
256 MB Memory Module	A3564A		1	2,482	18	44,676	
Subtotal						96,240	16,206
Client Software							
HP C/ANSI C Compiler	B3901BA, Opt.AH0			1,150	1	1,150	1,029
BEA Tuxedo 4.2		Bea Sys.	3	9,000	6	54,000	40,500
Subtotal						55,150	41,529
User Connectivity							
10Base-T Hub (8 RJ45, 1 BNC), 225 spares	DEH2924	Compex	4	35.85	2475	88,729	
LANPLEX 2500 Chassis	3C250100	3COM	5	6,095	1	6,095	5,485
8-port 10 base T module	3C201000	3COM	5	2,800	1	2,800	2,520
FDDI module	3C200100	3COM	5	2,700	1	2,700	2,430
Subtotal						100,324	10,435
Total						1,441,644	358,914
Notes:						Five Year Cost:	\$1,800,558
1=Sun Data Corporation, 2=Sybase, 3=BEA Systems,						tpmC Rating:	21,358.00
4=DataComm Warehouse, 5=3COM						\$/tpmC:	\$84.31

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. 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>. Thank you.

Note: audited by Richard Gimarc of Performance Metrics, Inc.