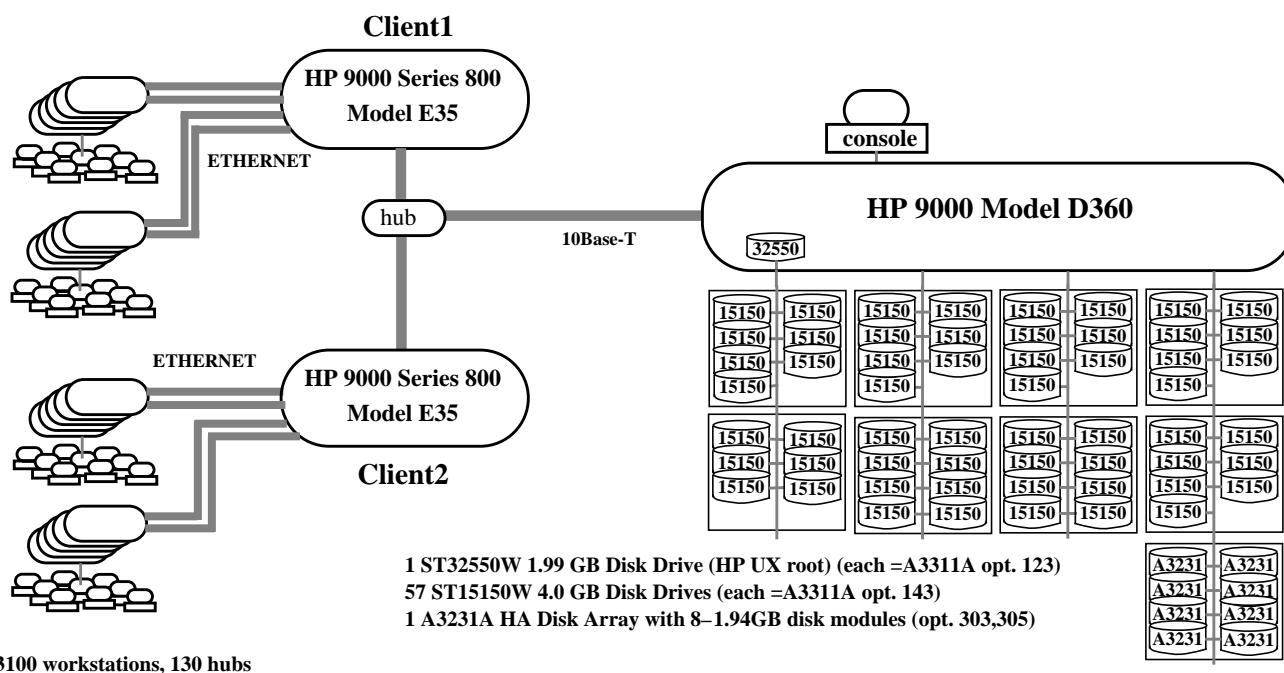


Hewlett-Packard Co.	HP 9000 Model D360 Client/Server with 2 Model E35 front-end		TPC-C® Rev 3.0
			Report Date: May 28, 1996.
Total System Cost	TPC-C® Throughput	Price/Performance	Availability Date
\$644,273	3803.20 tpmC®	\$170 / tpmC®	HW: July 1, 1996. SW: Dec. 1, 1996.
Processors	Database Manager	Operating System	Other Software
2 PA-RISC 7200 120 MHz	Sybase SQL Server Version 11.0	Server HP-UX 10.10 Client HP-UX 10.01	TUXEDO Transaction Monitor
			Number of Users 3100



System Components	Server (D360)		Each Client (E35)	
	Qty	Type	Qty	Type
Processors	2	120 MHz PA-RISC 7200	1	64 MHz 7100LC
Cache memory	each	1MB I-cache 1MB D-cache		256 KB combined external cache
Memory (MB)	1.5	GB	320	MB
Disk Controllers	4	HP-HSC FWD SCSI-2	1	HP-PB SE SCSI-2
Disk Drives	1	1.99 GB Disks	1	2 GB Disk
	57	4.0 GB Disks		
	1	High Availability Disk Array		
Total Storage (GB)	245.51	GB		
Tape Drives	1	DDS Storage System		
Terminals	1	Console terminal	1	Console terminal

Hardware and Software Pricing

Description	Part Number	Unit Price	Quantity	Extended Price	5 Year Service
Hewlett Packard 9000 Model D360/2	A3476A	35,290	1	35,290	10,224
Hardware & Software Support, Year 1	Option 0S3				2,738
HP-UX System Media on CD-ROM, Mat'ls	B3920AA, Option AAF	520	1	520	
Add 256 MB ECC Memory Board	A3564A	19,200	6	115,200	
2.0 GB DAT Storage System (internal)	C2478SZ, Option ODZ	1,520	1	1,520	
700/96 Console	C1064GX	539	1	539	336
add 2GB half-height FWD (internal)	A3306A	1,600	1	1,600	1,344
HP-HSC Fast/Wide Differential SCSI Int.	A4107A	1,195	4	4,780	
Mini Tower Enclosure	A3311A	1,000	15	15,000	7,200
Support, Year 1	Option 0S3				4,950
4 GB Fast/Wide SCSI Disks, 6 spares	Option #143	2,400	63	151,200	42,336
High Avail. disk array Model 10	A3231A	12,500	1	12,500	6,720
Support, Year 1	Option 0S3				672
Eight 2.0 GB disk modules	Option 305,303	16,480	1	16,480	
8 MB Write Cache Option	Option 508	7,040	1	7,040	
Fast/Wide SCSI Interface Cable	C2911A	120	15	1,800	
TOTAL SERVER COST				363,469	76,520
Hewlett Packard 9000 Model E35	A2938AW	5,400	2	10,800	1,824
Hardware & Software Support, Year 1	Option 0S3				1,152
650 MB CD-ROM	A3184A	655	2	1,310	1,056
2 GB internal disk	A3304A	1,500	2	3,000	2,688
700/96 Console	C1064GX	539	2	1,078	672
HP C/ANSI C Compiler	B2412A, Option AH0	1,575	1	1,575	1,920
Support, Year 1	Option 0S3				225
HP-PB slot upgrade	A2943A option ODZ	2,000	2	4,000	
LAN/9000 Interface Card	J2146A Option ODM	1,150	8	9,200	
128 MB Memory Module	A3131A Opt. ODZ	8,960	4	35,840	
64 MB Memory Module	A2948A, Opt. ODZ	4,480	2	8,960	
TOTAL CLIENT COST				75,763	9,537
Subtotal HP HW/SW/Support				439,232	86,057
20% Support Prepay Disc.					(17,211)
TOTAL HP HW/SW/SOFTWARE SUPPORT				439,232	68,846
HTI Ultra slimline 24 Port Hub, 14 spares	DEH1477	310	145	44,950	
Sybase SQL Server	91751-55-1101-01	34,995	1	34,995	30,000
BEA Tuxedo 4.2		7,500	2	15,000	11,250
TOTAL THIRD-PARTY COST				94,945	41,250
TOTAL HW/SOFTWARE/SUPPORT				\$534,177	\$110,096
Five (5) Year Cost of Ownership	\$644,273				
tpmC-Local	3803.20				
\$/tpmC	\$170				

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