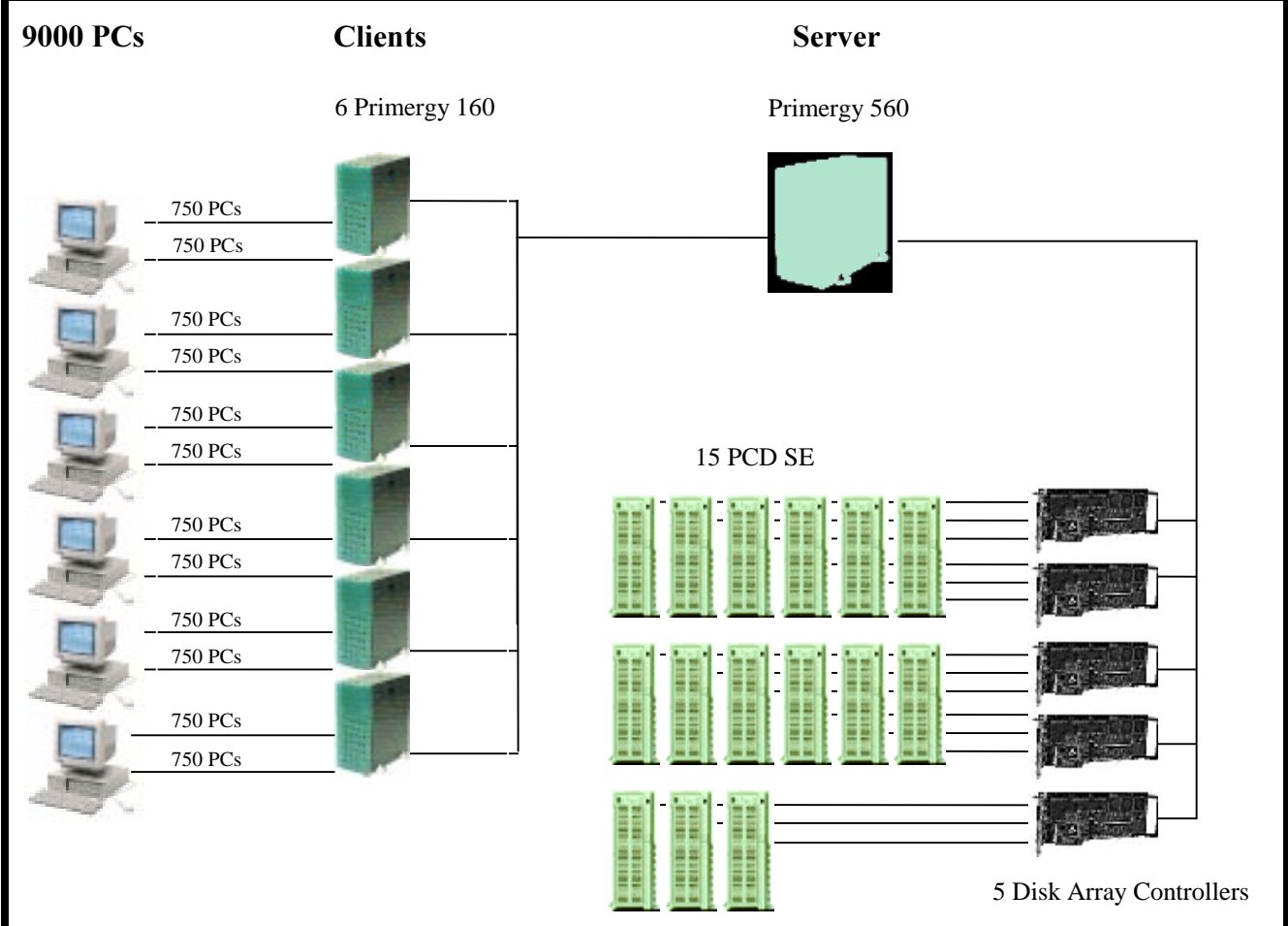


SIEMENS NIXDORF Informationssysteme AG	Primergy 560 c/s with 6 Primergy 160		TPC-C REV 3.3.2 EXECUTIVE SUMMARY Page 1 of 2
			Report Date: December 9, 1997

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$ 481,008	10854.24 tpmC	\$44.32/tpmC	January 1, 1998

Processors	Database Manager	Operating-System	Other Software	Number of Users
4 Intel Pentium® Pro 200 MHz	Microsoft SQL Server 6.5 Enterprise Edition	Microsoft Windows NT 4.0 Enterprise Edition	Microsoft Internet Connector, Microsoft Visual C++, Microsoft SQL Server Programmer's Toolkit, openUTM version 4.0 Transaction Monitor	9,000



System Components	Qty/Srv.	1 Primergy 560	Qty/Client	6 Primergy 160
Processors	4	Intel Pentium® Pro 200 MHz 1 MB SLC	1	Intel Pentium® Pro 200 MHz 256 KB SLC
Memory	3.25	GB	256	MB
Disk Controller	5	SCSI Controllers	1	SCSI Controller
Disk Drives	59	4 GB	1	2 GB
	53	9 GB		
Total GB of Storage	1	697.34 GB	1	2 GB

Description	Part Number	Third Party	Unit Price	Qty.	Extended Price	5 yr. Maint. Price
		Brand Pricing				
Server Hardware						
Base System	S26361-K412-V392		3 513 \$	1	3 513 \$	
PSU-Modul	S26113-E379-E10		179 \$	2	359 \$	
1. CPU Module	S26361-F1308-E1		455 \$	1	455 \$	
2. CPU Modul	S26361-F1308-E10		455 \$	1	455 \$	
Pentium Pro 200MHz/1MB	S26361-F1329-E202		5 747 \$	4	22 989 \$	
Kit for PPro 1MB SLC	S26361-F1718-E1		28 \$	1	28 \$	
Memory 1 GB (4x256) DIMM	S26361-F1307-E26		17 832 \$	3	53 497 \$	
Memory 256 MB (4x64) DIMM	S26361-F1307-E23		3 090 \$	1	3 090 \$	
Mylex Disc Array Controller PCI incl. 10% spare	S26361-F1779-E1		1 375 \$	7	9 623 \$	
Connectors for Disk Cabinets	S26361-F1222-E21		69 \$	5	345 \$	
Fast-Ether-Express-Pro 100Mbit (PCI)	S26361-F1465-E501		101 \$	1	101 \$	
Keyboard	S26381-K252-L165		39 \$	1	39 \$	
Country Pack	S26361-F1290-B173		37 \$	1	37 \$	
Sum Primergy 560						5 805 \$
Monitor MCM 1405 ND	S26361-K449-V150		253 \$	1	253 \$	76 \$
PCD-SE/W disk cabinet incl. 10% spare	S26361-K377-V291		1 655 \$	17	28 138 \$	
HD W-SCSI 4GB hot plug for PCD-Sew incl. 10% sp	S26361-F1145-E140		943 \$	65	61 264 \$	
HD W-SCSI 9GB hot plug for PCD-Sew incl. 10% sp	S26361-F1145-E181		1 664 \$	59	98 198 \$	
CD-ROM 8x for PCD-Sew	S26361-F726-E75		207 \$	1	207 \$	62 \$
W-SCSI Cable UHD-HD incl. 10% spare	T26139-Y2549-V1		88 \$	11	971 \$	
W-SCSI Cable HD-HD incl. 10% spare	T26139-Y2527-M1		69 \$	6	414 \$	
2. Bridge Connector incl. 10% spare	S26361-F1148-L21		44 \$	17	743 \$	
			Subtotal		284 716 \$	5 943 \$
Server Software						
Microsoft NT-Server 4.0, Enterprise Edition	Microsoft	MS	1	3 999 \$	1	3 999 \$
MS SQL-Server 6.5 Enterp.Edition unlim. license	Microsoft	MS	1	28 999 \$	1	28 999 \$
				Subtotal	32 998 \$	10 475 \$
Client Hardware						
Primergy 160	S26361-K423-V744		3 191 \$	6	19 145 \$	
Keyboard	S26381-K252-V165		39 \$	6	234 \$	
Country Pack	S26361-F1454-B233		37 \$	6	221 \$	
Memory 64 MB EDO DIMM	S26361-F1514-E504		690 \$	18	12 414 \$	
Fast-Ether-Express-Pro 100Mbit (PCI)	S26361-F1465-E501		101 \$	18	1 821 \$	
Sum Primergy 160						23 520 \$
Monitor MCM 1405 ND	S26361-K449-V150		253 \$	6	1 517 \$	455 \$
			Subtotal		35 352 \$	23 975 \$
Client Software						
NT-Server 4.0		MS	1	809 \$	6	4 854 \$
MS SQL-Server Prog. Toolkit		MS	1	499 \$	1	499 \$
Open UTM	U11421-C10		973 \$	6	5 838 \$	8 820 \$
MS Visual C++		MS	1	499 \$	1	499 \$
				Subtotal	11 690 \$	8 820 \$
User Connectivity						
ATI 24 PORT HUB incl. 10% spare	AT-3024TR		160 \$	413	66 080 \$	
Fast Ethernet Hub 8*100 incl. 10% spare	AT-908TX-20		320 \$	3	960 \$	
			Subtotal		67 040 \$	
			Total		431 796 \$	49 213 \$

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 section of the TPC benchmark pricing 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.

Five-Year Cost of Ownership: \$481,008
tpmC Rating: 10854.24
\$ / tpmC: 44.32

Numerical Quantities Summary

MQTh, computed Maximum Qualified Throughput		10854.24 tpmC	
% throughput difference, reported & reproducibility runs		1.7 %	
Response Times (in seconds)	90th percentile	Average	Maximum
- New-Order	1.71	0.92	9.59
- Payment	1.51	0.73	9.28
- Order-Status	2.45	1.39	9.70
- Delivery (interactive portion)	0.21	0.17	6.33
- Delivery (deferred portion)	4.96	2.45	14.40
- Stock-Level	3.75	2.12	11.88
- Menu	0.21	0.17	6.48
Transaction Mix, in percent of total transactions			
- New-Order			44.65 %
- Payment			43.07 %
- Order-Status			4.08 %
- Delivery			4.09 %
- Stock-Level			4.10 %
Emulation Delay (in seconds)		Response Time	Menu
- New-Order		0.1	0.1
- Payment		0.1	0.1
- Order-Status		0.1	0.1
- Delivery (interactive)		0.1	0.1
- Stock-Level		0.1	0.1
Keying/Think Times (in seconds)	Minimum	Average	Maximum
- New-Order	18.00/0.00	18.01/12.13	19.14/122.05
- Payment	3.00/0.00	3.01/12.12	4.02/122.02
- Order-Status	2.01/0.00	2.01/10.19	2.67/98.86
- Delivery (interactive)	2.01/0.00	2.01/ 5.11	2.99/ 45.48
- Stock-Level	2.01/0.00	2.01/ 5.18	2.88/ 52.01
Test Duration and Checkpointing			
- Ramp-up time		38 minutes	
- Measurement interval		29 minutes	
- Number of checkpoints		1	
- Checkpoint interval		29 minutes	
- Transactions during measurement interval (all types)		704955	