

Data General Corporation	AViiON AV 25000 AVFlex Server		TPC-C Rev 3.4 Report Date: March 3, 1999	
Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
\$ 798,343	23,016.97 tpmC	\$34.69/tpmC	March 25, 1999	
Processors	Database Manager	Operating System	Other Software	Number of Users
4 Pentium II Xeon @ 450MHz Server (4) Dual Pentium II @ 400MHz Clients	Microsoft SQL Server 7.0, Enterprise Edition	Microsoft Windows NT 4.0, Enterprise Edition	BEA Tuxedo 6.4 Microsoft Visual C++ Professional 5.0 MS SQL Server Toolkit	18600



System Component	Server		Each of 4 Clients	
Processors	4	Pentium II Xeon @450 MHz with 2 MB L2 Cache	2	Intel Pentium II @ 400 MHz
Memory	1	8 GB RAM	1	256 MB RAM
Disk Controllers	7	Adaptec AAC-364	1	Integrated SCSI
	1	Integrated SCSI		
Disk Drives	1	9 GB 7200 rpm disk	1	4 GB 7200 rpm disk
	8	18 GB 10K rpm disks		
	192	9 GB 10K rpm disks		
Total Storage		1770.31 GB		3.47 GB
Network Controllers	1	100 MB Ethernet	1	Integrated 100 MB Ethernet
			2	Quad 10/100 MB Ethernet

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Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
Server Hardware							
		Brand	Pricing				
AV25000, 1Block Xeon 450 MHz 2MB Cache, 8GB, CD	70812-NE			215,472	1	215,472	
9GB 7200 RPM LP DISK	61032			720	1	720	
9GB 10000 RPM DISK FOR CSS4	61035			1,020	192	195,840	
18GB 10000 RPM DISK FOR CSS4	61036			1,680	8	13,440	
CSS4 SCSI STORAGE ENCLOSURE,RACKMOUNT	6966R-E			1,800	26	46,800	
DG 17" SVGA 1.R COLOR MONITOR, STD	26107B			321	1	321	
5' SCSI-2 68 PIN HIGH DENSITY CABLE	15445E005			66	26	1,716	
ADAPTEC RAID CONTROLLER PACKAGE (7)	7519			19,800	1	19,800	
73" DEEPRACK CAB,MIXED VOLT AC POWER	14022-G7			2,637	3	7,911	
Subtotal						502,020	86,265
Server Software							
MSWindows NT Server, Enterprise Edition 4.0 incl 25 CALs	Q224AN21CD			3,999	1	3,999	
Microsoft SQL Server, Enterprise Edition, 7.0 Unltd User Lic.		Microsoft	1	28,999	1	28,999	
Subtotal						32,998	10,475
Client Hardware							
AV2700R Dual Pentium II 450MHz, 64MB, CD	70776			7,017	4	28,068	
Replace 64MB Memory with 128MB	R73107			300	4	1,200	
128MB Memory Upgrade Kit	7139			597	4	2,388	
4GB Disk Drive for AV2700R	61024			660	4	2,640	
Quad 10/100BASE-T NIC	7497			836	8	6,688	
14" S/GA Color Monitor	26105B			177	4	708	
Subtotal						41,692	9,045
Client Software							
Microsoft Windows NT Server 4.0	Q138AF21CD			809	4	3,236	
WINDOWS NT ENABLE KIT FOR AV2700	7061-D			150	4	600	
Visual C++ Professional 5.0		Microsoft	1	499	1	499	
Tuxedo Run Time		BEA	2	3,000	4	12,000	
Subtotal						16,335	9,600
User Connectivity							
Ethernet Hub, 12-port 100TX+ 10%spares	40444TC1			657	3	1,971	
Ethernet Hub, 8-port 10BASE-T+ 10%spares	DBH2924	Datacomm	3	33	2574	84,942	
Subtotal						86,913	3,000
Total						\$679,958	\$118,385

Notes: ** All products except part #'s 61035, 61036, and 7519 available now.
 * All Microsoft maintenance covered by the maintenance cost of SQL Server
 Pricing: 1=Microsoft, 2=BEA, 3=Datacomm
 Audited by Information Paradigm

Five-Year Cost of Ownership:	\$798,343
tpmC Rating:	23016.97
\$/tpmC:	34.69

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. Thank you.

Numerical Quantities Summary

MQTh, computed Maximum Qualified Throughput

23,016.97

% throughput difference, reported & reproducibility runs

0.24%

Response Times in seconds

	90 th Percentile	Average	Maximum
- Neworder	0.81	0.49	5.60
- Payment	0.70	0.39	2.42
- Order Status	0.74	0.44	5.55
- Delivery (interactive portion)	0.41	0.33	1.17
- Delivery (deferred portion)	0.76	0.48	12.61
- Stock-Level	2.59	1.99	4.23
- Menu	0.42	0.25	1.27

Response time delay added for menu delay

0.1

Response time delay added for response time delay

0.1

Transaction Mix, in percent of total transactions

- New-Order	44.89%
- Payment	43.03%
- Order-Status	4.03%
- Delivery	4.03%
- Stock-Level	4.02%

Keying/Think Times (in seconds)

	Min		Average		Max	
- New-Order	18.0	0.0	18.01	12.05	18.05	120.70
- Payment	3.00	0.0	3.01	12.01	3.05	120.31
- Order-Status	2.00	0.0	2.01	10.11	2.04	100.60
- Delivery	2.00	0.0	2.01	5.05	2.05	50.49
- Stock-Level	2.00	0.0	2.01	5.03	2.05	50.40

Test Duration

- Ramp-up time	26 minutes
- Measurement interval	30 minutes
- Number of checkpoints	1
- Checkpoint interval	29min 57 sec
- Number of transactions (all types) completed in measurement interval	1,538,174