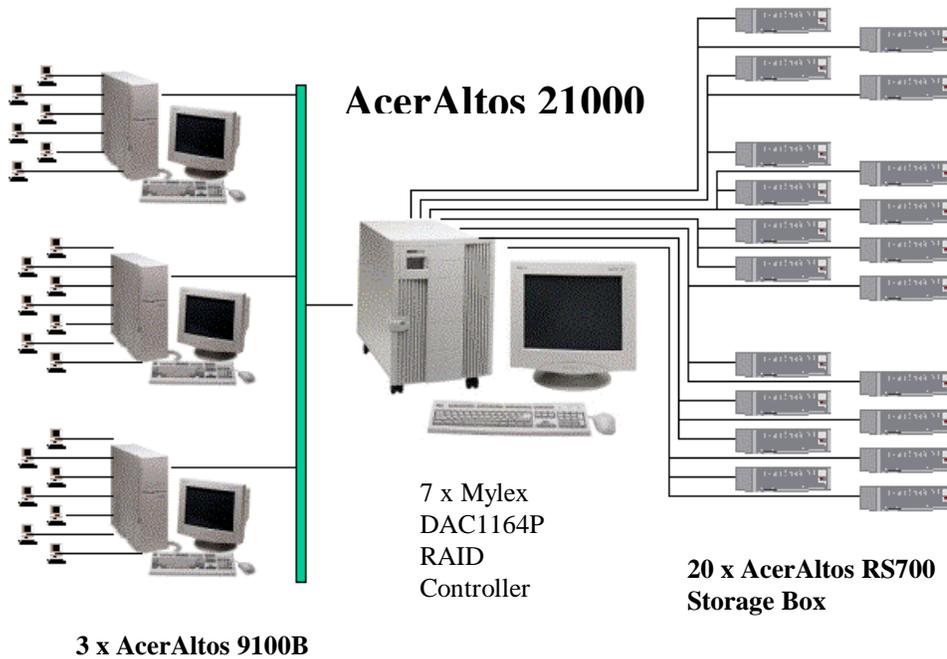


Acer 		AcerAltos 21000 Client/Server w/ 3 AcerAltos 9100B Front Ends		TPC-C Rev 3.4 Report Date May 17, 1999
Total System Cost		TPC-C Throughput	Price/Performance	Availability Date
\$387,010		23,235.57 tpmC	\$16.66	May 17, 1999
Processors	Database Manager	Operating System	Other Software	Number of Users
4 × Pentium III Xeon Processors 500 MHz 2MB L2 cache	Microsoft SQL Server 7.0 Enterprise Edition	Microsoft Windows NT Server 4.0 Enterprise Edition	Microsoft Internet Information Server Microsoft Visual C++ Tuxedo 6.4 CFS	18,800



System Component	Server		Each Clients	
Processors	4	Pentium III Xeon 500 MHz	1	Pentium II 450 MHz
Cache		2 MB		512 KB
Memory	1	4096 MB	1	512 MB
Disk Controllers	7	Mylex DAC1164P		Adaptec On-Board AIC-7880P
Disk Drives	193	9 GB	1	4 GB
	8	18 GB		
Total Storage		1881 GB		4 GB
Other	1	CD-ROM	1	CD-ROM



**AcerAltos 21000
Client/Server**

**TPC-C REV3.4
EXECUTIVE SUMMARY**

Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint Price
Server Hardware						
Altos 21000 w/ CD-Rom 40x, keyboard, mouse, 0 Proc , 0MB Mem, 8 hot-swap drive bays, Three 430W power supplies, APC smart UPS 1000	91.AB704.201	1	\$9,524	1	\$9,524	1,429
Pentium III Xeon 500MHz/2MB Cache	91.AB711.009	1	\$5,576	4	\$22,304	3,346
256MB EDO DIMM	71.84208.060	1	\$545	16	\$8,720	1,308
9GB 10,000rpm Ultra2 SCSI HDD	56.02961.121	1	\$680	1	\$680	102
DAT Tape Drive	91.AB359.001	1	\$1,065	1	\$1,065	160
14" AcerView Monitor	91.74302.004	1	\$155	1	\$155	23
Subtotal					\$42,448	6,367
Server Storage						
Mylex DAC1164P Controller w/ 32MB EDO		Mylex 2	\$1,895	7	\$13,265	\$700
9GB 10,000rpm Ultra2 SCSI HDD	56.02961.121	1	\$680	192	\$130,560	\$19,584
18GB 10,000rpm Ultra2 SCSI HDD	56.02A04.061	1	\$1,219	8	\$9,752	\$1,463
RS700-RM112 Storage Box	81.54A28.501	1	\$1,000	18	\$18,000	\$2,700
RS700-RM101 Storage Box	91.54A28.014	1	\$1,100	2	\$2,200	\$330
External SCSI Cable	50.AB600.001	1	\$65	20	\$1,300	\$195
Subtotal					\$175,077	\$24,972
Server Software						
MS Windows NT Server 4.0 Enterprise Edition, incl 25 CALs*		Microsoft 3	\$3,999	1	\$3,999	\$0
MS SQL Server, Enterprise Edition 7.0, unlimited user license*		Microsoft 3	\$28,999	1	\$28,999	\$10,475
Subtotal					\$32,998	\$10,475
Client Hardware						
AcerAltos 9100B,1 Pentium II 450MHz, 4GB Ultra Wide SCSI HD, 32X SCSI CD-ROM, Keyboard, Mouse, 420W power supply	AA9100B-9450	1	\$4,084	3	\$12,252	\$1,838
Pentium II 450MHz Processor Upgrade Kit	91.AB009.007	1	\$784	3	\$2,352	\$353
128MB SDRAM	91.AB658.001	1	\$286	12	\$3,432	\$515
14" AcerView color monitor	91.74302.004	1	\$155	3	\$465	\$70
Intel Pro/100+ Dual Port Server Adapter	91.AB023.004	1	\$225	12	\$2,700	\$405
Subtotal					\$21,201	\$3,180
Client Software						
MS Windows NT Server 4.0, incl 5 CALs*		Microsoft 3	\$809	3	\$2,427	\$0
MS Visual C++ 32-bit Edition(subscription)*		Microsoft 3	\$499	1	\$499	\$0
TUXEDO Core Functional Services 6.4 for NT		BEA 4	\$3,000	3	\$9,000	\$7,200
Subtotal					\$11,926	\$7,200
User Connectivity						
Acer Netxus 100Base Ethernet Hub 8 port**	91.22009.00	1	\$195	3	\$585	spared
Acer Nexus 10Base Ethernet Hub 8 port**	90.80516.41	1	\$29	2596	\$75,284	spared
Subtotal					\$75,869	\$0
Discounts					-\$24,703	\$0
Total					\$334,816	\$52,194

Notes * All Microsoft maintenance is covered by the maintenance cost of Microsoft SQL Server. ** 10% or minimum 2 spares are added in place of onsite service (product have a five year return-to-vendor warranty) Pricing: 1=Acer, 2=Mylex, 3=Microsoft, 4=Bea	Five-Year Cost of Ownership:	\$387,010
	tpmC Rating:	23235.57
	\$/tpmC	\$16.66

The benchmark results and test methodology were audited by Tom Sawyer of Performance Metrics, Inc.

Price 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 assumption 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 benchmarks specifications. If you find that stated prices are not available according to these term, please inform the TPC at pricing @tpc.org. Thank you.

MQTh, computed Maximum Qualified Throughput 23,235.57tpmC
 % throughput difference, reported & reproducibility runs 0.1%

Response Times (90th percentile | Average | Maximum) in seconds

- Neworder	0.98	0.56	4.77
- Payment	0.85	0.43	4.75
- Order Status	0.91	0.50	4.68
- Delivery (interactive portion)	0.30	0.31	2.05
- Delivery (deferred portion)	1.0	0.599	5.157
- Stock-Level	3.03	2.30	7.51
- Menu	0.32	0.21	2.08

Transaction Mix, in percent of total transactions

- New-Order	44.94 %
- Payment	43.00 %
- Order-Status	4.03 %
- Delivery	4.01 %
- Stock-Level	4.01 %

Keying/Think Times (in seconds),

	Min		Average		Max	
- New-Order	18.00	0.00	18.01	12.06	18.03	120.50
- Payment	3.00	0.00	3.01	12.03	3.03	120.50
- Order-Status	2.00	0.00	2.01	10.12	2.03	100.49
- Delivery	2.00	0.00	2.01	5.04	2.03	50.50
- Stock-Level	2.00	0.00	2.01	5.07	2.03	49.93

Test Duration

- Ramp-up time	30 minutes
- Measurement interval	30 minutes
- Number of checkpoints in measured interval	1
- Checkpoint interval	30 minutes
- Number of transactions (all types) completed in measurement interval	1,550,963