
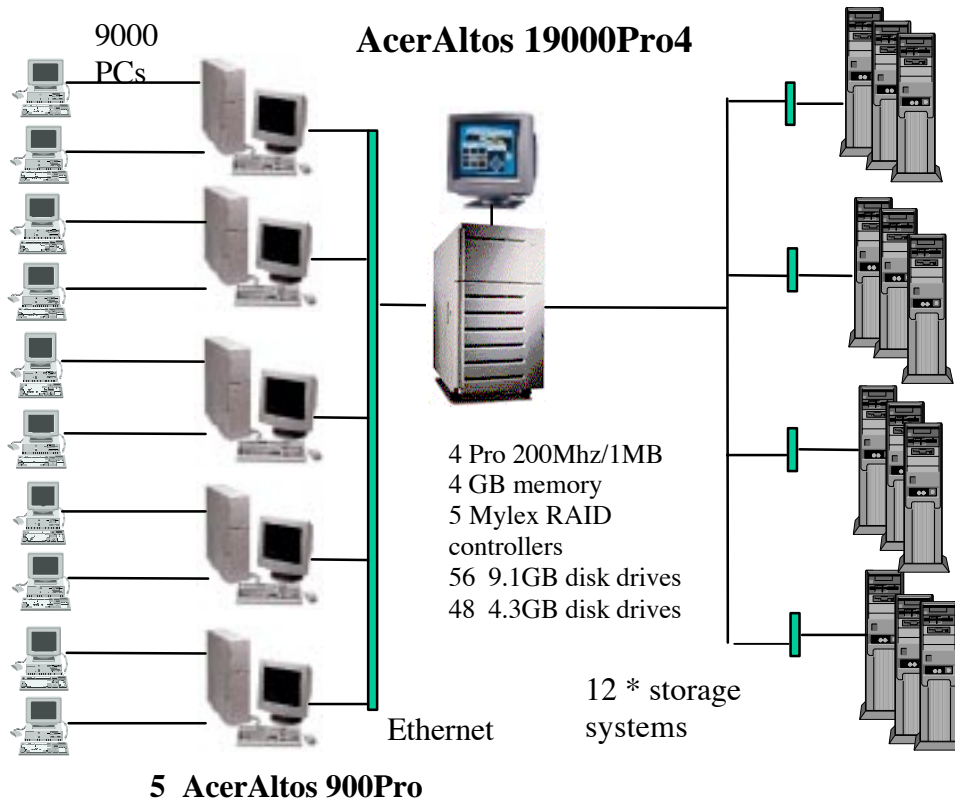


Acer 		AcerAltos 19000Pro4 Client/Server w/5 AcerAltos 900Pro Front Ends		TPC-C Rev 3.3.2 Report Date Feb 16, 1998
Total System Cost		TPC-C Throughput	Price/Performance	Availability Date
\$301,663		11,072.07 tpmC	\$27.25	Feb 16, 1998
Processors	Database Manager	Operating System	Other Software	Number of Users
4 × Pentium Pro Processors 200 MHz 1MB L2 cache	Microsoft SQL Server 6.5 Enterprise Edition	Microsoft Windows NT Server4.0 Enterprise Edition	Microsoft Internet Information Server Microsoft Visual C++ Tuxedo 6.3 CFS	9,000



System Component	Server		Each Clients	
Processors	4	Pentium Pro 200 MHz	1	Pentium Pro 200 MHz
Cache		1MB		256 KB
Memory	1	4096 MB	1	192 MB
Disk Controllers	5	Mylex DAC960PJ		Adaptec On-Board AIC-7880P
Disk Drives	56 48	9.1 GB 4.3 GB	1	2 GB
Total Storage		697.6 GB		2 GB
Other	1	CD-ROM	1	CD-ROM



**AcerAltos 19000Pro4
Client/Server**

TPC-C REV3.3.2 EXECUTIVE
SUMMARY
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Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint Price *	
Server Hardware							
AcerAltos 19000Pro4 w/ CD-Rom16x, keyboard, mouse, UPS, 0Proc , 0MB Mem, 14 hot-swap drive bays, Three 400W power supplies	91.AB555.001	1	\$8,100	1	\$8,100	\$1,215	
Pentium Pro 200MHz/1MB Cache	01.I00P6.K80	1	\$3,050	4	\$12,200	\$1,830	
256MB FPM DIMM	72.48178.00E	1	\$872	16	\$13,952	\$2,093	
Intel EtherExpress 10/100 PCI	54.AB023.001	1	\$82	1	\$82	\$12	
14" AcerView color monitor	91.75402.067	1	\$163	1	\$163	\$24	
9GB UW SCSI Disk Drive	91.AB032.001	1	\$895	48	\$42,960	\$6,444	
4GB UW SCSI Disk Drive	91.AB360.003	1	\$370	32	\$11,840	\$1,776	
4GB UW SCSI Disk Drive	91.AB360.205	1	\$647	16	\$10,352	\$1,553	
9GB UW SCSI Disk Drive -10000 RPM	91.AB037.002	1	\$1,117	8	\$8,936	\$1,340	
Mylex Disk Array Controller w/ 8MB EDO***	91.AB002.006	Mylex 5	\$1,845	7	\$12,915	\$350	
External SCSI Cable	90.AB600.001	1	\$35	36	\$1,260	\$189	
DAT Tape Drive	91.AB034.001	1	\$1,065	1	\$1,065	\$160	
SCSI Bus Extender Board		Symbios 3	\$108	12	\$1,296	\$194	
External Storage Cabinet	91.91720.004	1	\$780	12	\$9,360	\$1,404	
					Subtotal	\$134,481	\$18,585
Server Software							
MS SQL Server, Enterprise Edition 6.5, unlimited user license**		Microsoft 2	\$28,999	1	\$28,999	\$10,475	
MS Windows NT Server 4.0 Enterprise Edition, incl 25 CALs**		Microsoft 2	\$3,999	1	\$3,999	0	
					Subtotal	\$32,998	\$10,475
Client Hardware							
AcerAltos900Pro w/ 1Ppro200MHz, 2GB Ultra Wide SCSI HD, Keyboard, Mouse, 200W power supply	91.AB244.206	1	\$2,714	5	\$13,570	\$2,036	
32MB ECC/EDO SIMM	91.11010.739		\$105	30	\$3,150	\$473	
Intel EtherExpress 10/100 PCI	54.AB023.001		\$82	15	\$1,230	\$185	
14" AcerView color monitor	91.75402.067		\$163	5	\$815	\$122	
					Subtotal	\$18,765	\$2,815
Client Software							
MS Windows NT Server 4.0, incl 5 CALs**		Microsoft 2	\$809	5	\$4,045	\$0	
MS Visual C++ 32-bit Edition(subscription)**		Microsoft 2	\$499	1	\$499	\$0	
Microsoft SQL Workstation(include programmers toolkit)**		Microsoft 2	\$499	1	\$499	\$0	
TUXEDO Core Functional Services 6.3 for NT		BEA 4	\$3,000	5	\$15,000	\$11,250	
					Subtotal	\$20,043	\$11,250
User Connectivity							
Netlux 8-port 100Mbps FAST Ethernet Hub ***	NX-H8TX	Netlux 6	\$279	3	\$837	\$0	
Netlux 16-port 10BASE-T Ethernet Hub ***	NX-H16ez	Netlux 6	\$82	627	\$51,414	\$0	
					Subtotal	\$52,251	\$0
					Total	\$258,538	\$43,125

Notes

* HW Maintenance - 1st 36 months included in Acer product cost.
 ** 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=Microsoft, 3= Symbios, 4=BEA, 5=Mylex, 6=Netlux

Five-Year Cost of Ownership: \$301,663
TpmC Rating: 11072.07
\$/tpmC: \$27.25

The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.

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 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 11,072.07tpmC
 % throughput difference, reported & reproducibility runs 0.1%

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

- Neworder	0.97	0.65	113.71
- Payment	0.42	0.33	23.76
- Order Status	1.37	0.91	25.87
- Delivery (interactive portion)	0.28	0.28	0.82
- Delivery (deferred portion)	0.82	0.57	7.37
- Stock-Level	4.65	2.90	61.09
- Menu	0.31	0.20	1.10

Transaction Mix, in percent of total transactions

- New-Order	44.87 %
- Payment	43.03 %
- Order-Status	4.05 %
- Delivery	4.04 %
- Stock-Level	4.00 %

Keying/Think Times (in seconds),

	Min		Average		Max	
- New-Order	18.02	0.00	18.03	12.06	18.10	121.00
- Payment	3.02	0.00	3.03	12.10	3.14	121.00
- Order-Status	2.02	0.00	2.03	10.16	2.05	100.99
- Delivery	2.02	0.00	2.03	5.14	2.16	51.00
- Stock-Level	2.02	0.00	2.03	5.02	2.05	50.26

Test Duration

- Ramp-up time	25 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	740,234