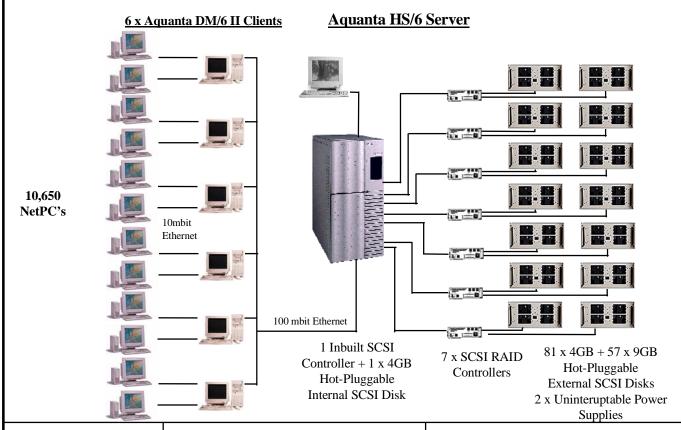
unisys	Aquanta HS/6 Server C/S				TPC- C Rev. 3.3 Report Date: 19- Dec- 1997
Total System Cost	TPC- C Through	out Price/ Performance		Availability Date	
\$496,827	13,089.30 tp	mC	\$37.96 per tpmC		30-Jan-1998
Processors	Database Manager	Operating System		Other Software	Number of Users
6 Pentium® Pro 200 MHz 1MB L2 cache	Microsoft SQL Server 6.5 Enterprise Edition	Microsoft NT Server 4.0 Enterprise Edition		Microsoft IIS 3.0 Tuxedo 6.3 CFS	10,650



System Components	Server		Clients	
	Quantity	Туре	Quantity	Туре
Processors	6	200 MHz Pentium® Pro with 1MB Level 2 Cache	6	200MHz Pentium® Pro with 256KB Level 2 Cache
Memory	1	4096MB	6	256MB
Disk Controllers	7 1	SCSI RAID Inbuilt SCSI	6	Inbuilt IDE
Disk Drives	82 57	4GB 9GB	6	1.5GB
Total Storage		813.47 GB		7.5GB
CD-ROM / Tape	1	CD-ROM Drive	6	CD-ROM Drive

Unisys Corporation		A	-	anta HS/0 ent/Server	6		TPC-C Rev 3.3 19-Dec-1997
		Third Party	,	Unit		Extended	5 Years
Description	Style	Brand Pri	icing	Price	Qty.	Price	Maint
Server Hardware							
SYS: Aquanta HS/6, w/ CDRom, 0 Proc, 0MB Mem	HS6000122-BAS		1	\$9,985	1	\$9,985	\$864
PROC:3x200MHz PPro/1MB + CPU Riser card	HTC6200-1MB		1	\$13,630	1	\$13,630	\$2,832
PROC:3x200MHz PentiumPro/1MB Cache	HTX6200-1MB		1	\$13,306	1	\$13,306	\$2,760
MEM:ECC Memory Board, 0MB Mem	MEM641-DIM		1	\$395	1	\$395	\$72
MEM:256 MB Memory Upgrade	DIM572-256		1	\$2,048	16	\$32,768	\$5,376
CTRL:RAID Tri-SCSI-2 Ultra PCI	RAD3162-PCI		1	\$2,074	7	\$14,518	\$2,856
CTRL: VGA, 16-bit ISA	VID11-ISA		1	\$106	1	\$106	* ***
ETHERNET: 100Mbit/sec, PCI 32-bit	SF1001-FET		1	\$290	1	\$290	\$48
CDROM: 16 Speed	CDR1200-SI		1	\$178	1	\$178	\$120
ACC: 6 SCA Drive Cage	CAG61-ADV		1	\$425	1	\$425	\$120
DRW: Disk Drive Drawer, w/ cables, 7U		ALR	2	\$1,795	16	\$28,720	\$6,896
	P/N 11910190	ALK					
DISK: 4GB Drive + 10% spares	HDS4000-WC7		1	\$743	91	\$67,613	spared
DISK: 9GB Drive + 10% spares	HDS9000-WC7		1	\$1,495	54	\$80,730	spared
DISK: 9GB Drive + 10% spares	HDS9000-H10		1	\$1,602	10	\$16,020	spared
MONITOR:14-inch Color	EVG142-COL		1	\$219	1	\$219	
KEYBD: 104 Key Spacesaver	PCK104-SKB		1	\$34	1	\$34	
MOUSE: 2 Button PS2	PWM1-PS2		1	\$25	1	\$25	
PWR: 2200VA UPS, 4U	UPD22001-SXR		1	\$2,380	2	\$4,760	\$1,248
CAB: Rack Cabinet, w/ fill pnls, 36U	CAB361-SXR		1	\$1,530	3	\$4,590	
CAB: Link kit for 36U cabinets	LNK361-SXR		1	\$255	2	\$510	
CAB: Bezel kit 36U	BEZ3611-CAB		1	\$170	3	\$510	
CAB: Stabilizer kit 0U	WGT39581-SXR		1	\$120	3	\$360	
PNL: L&R side panels 36U	PAN3621-SXR		1	\$213	1	\$213	
FINE. Lan side pariers 300	FANSOZ I-SAK		'	φ213	Subtotal	\$289,905	\$23,192
C C-ft					Subtotal	\$209,900	\$23,192
Server Software			_				•
Microsoft NT Server 4.0 Enterprise Edition, incl 25 CALs		Microsoft	3	\$3,999	1	\$3,999	\$0
Microsoft SQL Server 6.5 Enterprise Edition, incl 25 CALs		Microsoft	3	\$28,999	1	\$28,999	\$10,475
					Subtotal	\$32,998	\$10,475
Client Hardware							
SYS: Aquanta DM/6 II, 0 Proc, 0MB Mem	CMT60072-ZFA		1	\$896	6	\$5,376	\$2,592
PROC:1x200MHz PentiumPro/256KB Cache	PRC6200-256		1	\$726	6	\$4,356	
MEM: 64 MB Memory Upgrade	MTP6-64M		1	\$634	24	\$15,216	\$5,184
CTRL: VGA, 64-bit with 2MB	PCV102-PCI		1	\$123	6	\$738	
DISK: 1.6GB IDE 3.5 Internal	HDI1600-5		1	\$219	6	\$1,314	\$1,008
CDROM: Twelve Speed IDE	CDR1200-AI		1	\$126	6	\$756	\$432
ETHERNET: 100Mbit/sec, PCI 32-bit	ETH101007-PCI		1	\$120	6	\$720	•
ETHERNET: 10Mbit/sec, PCI 32-bit	ETH101-PCI		1	\$130	12	\$1,560	
MONITOR:14-inch Color	EVG142-COL		1	\$219	6	\$1,314	
KEYBD: 104 Key Spacesaver	PCK104-SKB		1	\$34	6		
, ·						\$204	
MOUSE: 2 Button PS2	PWM1-PS2		1	\$25	6	\$150	****
011 0 . /					Subtotal	\$31,704	\$9,216
Client Software							
Microsoft Windows NT Server 4.0, incl 5 CALs		Microsoft	3	\$809	6	\$4,854	\$0
Microsoft SQL Workstation w/ Programmer's Toolkit		Microsoft	3	\$499	1	\$499	\$0
Microsoft Visual C++ 32-bit edition (subscription)		Microsoft	3	\$499	1	\$499	\$0
TUXEDO Core Functional Services 6.3 for NT		BEA	4	\$3,000	6	\$18,000	\$13,500
					Subtotal	\$23,852	\$13,500
User Connectivity							
Ethernet Hub, 8-Port 100TX TrueFast + 10% spares	NX-H8TX	Netlux	5	\$299	3	\$897	spared
Ethernet Hub, 8-Port 10Base-T + 1-Port BNC + 10% spares	NX-H16EZ	Netlux	5	\$83	736	\$61,088	spared
			Ŭ	450	Subtotal	\$61,985	\$0
Emorror Hab, or our robado 11111 our bivo 11070 opares						Ψ01,000	Ψ.
Ellionet riab, or old robbase in the old blood in 10% spaces					Total	\$440 444	¢56 323
Enternatives, or ok resident in the state of the sparce					Total	\$440,444	\$56,383
Notes:					Total	\$440,444	\$56,383
	costs. The next 24 month	s			Total	\$440,444	\$56,383
Notes: 1. HW Maintenance - 1st 36 months included in Unisys product	costs. The next 24 month	s		Five Year (
Notes: 1. HW Maintenance - 1st 36 months included in Unisys product are at the level: Standard Performance-Gold.					Cost of Ow		\$496,827
Notes: 1. HW Maintenance - 1st 36 months included in Unisys product	st of Microsoft SQL Server.		-	Five Year (TPC-C Thr \$/tpmC	Cost of Ow		\$56,38 \$496,827 13,089.30 \$37.96

Pricing: 1 = Western Micro, 2= ALR, 3 = Microsoft, 4 = BEA, 5 = Netlux
 The benchmark results and test methodology were audited by Richard Gimarc 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 sections of the TPC benchmarks specifications. If you find that the stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org.

NUMERICAL QUANTITIES SUMMARY

Unisys Aquanta HS/6 Server

Microsoft SQL Server 6.5 Enterprise Edition

MQTh, Computed Maximum Qualified Throughput:

13089.30

% throughput difference, reported & reproducibility runs:

0.20%

Transaction Mix

New Order	44.75%
Payment	43.17%
Delivery	4.04%
Stock-Level	4.03%
Order-Status	4.01%

Response Times

Transaction	Average	Maximum	90th %ile
New-Order	0.54	5.24	0.78
Payment	0.56	5.20	0.71
Delivery	0.39	4.64	0.70
Stock-Level	2.31	7.81	3.80
Order Status	1.07	6.25	1.60
Menu	0.22	3.59	0.30
Delivery (Deferred)	3.42	16.82	9.73

Response time delay added for emulated components (seconds)

RT Response time	0.1
Menu Response time	0.1

Keying/Think Time Times (seconds)

Transaction	Minimum	Average	Maximum	
New-Order	18.00/0	18.01/12.03	19.19/120.4	
Payment	3.00/0	3/12.04	4.24/120.4	
Delivery	2.00/0	2/5.08	3.15/50.7	
Stock-Level	2.00/0	2/5.06	3.15/50.7	
Order-Status	2.00/0	2/10.08	3.13/100.91	

Test Duration

Ramp up time	93 minutes
Measurement interval (M)	30 minutes
Transactions (all types) completed during measurement interval	877586
Ramp-down time	23 minutes

Checkpointing:

Number of checkpoints	1
Checkpoint interval	30 minutes