

## **IBM Corporation**

IBM @server xSeries 250 c/s with Microsoft SQL Server 2000 TPC-C Rev. 5.0 Upgrade from Rev. 3.5 Report Date: April 9, 2001

(Original: October 25, 2000)

				(Origi	<u>nal: O</u>	ctober 25	6, 20 <u>00</u> )
Description	Order		rd-Party	Unit	Qty	Ext. Price	
	Number	Brand	Pricing	Price			Maint.*
Server Hardware							
xSeries 250 / 700MHz/2MB Pentium III Xeon*	86657RY		1	\$6,879	1	\$6,879	\$2,495
700MHz/2MB L2 Cache Processor Upgrade	10K2332		1	2,879	3	8,637	0
512MB ECC SDRAM RDIMM Memory Kit	33L3117		1	749	15	11,235	0
Mylex eXtremeRAID 2000 Adapter***	E20004-32NB	Mylex	3	1,872	6	11,232	0
Netfinity ServeRAID-4H Ultra160 Adapter	37L6889		1	2,439	1	2,439	0
Netfinity 4.2M Ultra2 SCSI Cable	03K9311		1	105	18	1,890	0
10/100 Ethernet Server Adapter	06P3601		1	99	1	99	0
E54 14" (13.8" Viewable) Color Monitor*	6331N2N		1	159	1	159	90
20/40GB Internal SCSI Tape Drive	00N7991		1	769	1	769	0
Netfinity Rack*	9306900		1	1,725	2	3,450	600
Side Panel Kit	94G6669		1	195	1	195	0
Storage Hardware							
Netfinity EXP300 Rack Storage Enclosure*	35311RU		1	3,179	17	54,043	3,400
9.1GB 10K-4 Ultra160 SCSI Drive	37L7204		1	275	168	46,200	0
18.2GB 10K-4 Ultra160 SCSI Drive	37L7205		1	329	68	22,372	0
				Sı	ubtotal	\$169,599	\$6,585
Server Software					_		. ,
Microsoft SQL Server 2000 Enterprise Edition	810-00846	Microsoft	2	16,541	4	\$66,164	\$0
Microsoft Windows 2000 Advanced Server	C10-00475	Microsoft	2	2,399	1	2,399	0
Three-Year Maintenance for Software		Microsoft	2	2,095	3 -		6,285
Olleget Handrage				Sı	ubtotal_	\$68,563	\$6,285
Client Hardware	005054)/			4 740		<b>#0.070</b>	<b>A</b> = 000
Netfinity 5100 / 933MHz/256KB Pentium III*	865851Y		1	1,719	4	\$6,876	\$5,980
9.1GB 10K Ultra160 SCSI Drive	37L7204		1	275	4	1,100	0
128MB 133MHz ECC SDRAM RDIMM	33L3123		1	119	4	476	0
10/100 Ethernet Server Adapter	06P3601		1	99	4	396	0
E54 15" (13.8" Viewable) Color Monitor*	6331N2N		1	159	4 _	636	360
				Sı	ubtotal_	\$9,484	\$6,340
Client Software	0						
Microsoft Windows 2000 Server with COM+ Microsoft Visual C++ Professional 6.0 Win32	C11-00821 048-00317	Microsoft Microsoft	2 2	738 549	4 1	2,952 549	0
Wildiosoft visual C++1 Tolessional 0.0 Willioz	040-00317	MICIOSOIT	2		ubtotal	\$3,501	\$0
User Connectivity						ψο,σο.	Ψ.
8-Port 10/100Mbps Nway Fast Ethernet Switch*	* NX-DSS8		4	25	7	175	0
				Sı	ubtotal	\$175	\$0
				0.	Total	\$251,322	\$19,210
Large volume discount of 14% on IBM hardware; prices	s vary if purchased	separately.	1	14%	_	(25,072)	\$0
Notes: * The standard 3-year warranty on IBM hardware has be response time coverage. ** Five-year warranty. *** 10% or min			Five-Yea	ar Cost of (	Owners	hip:	\$245,460
of on-site service (products have a 5-year return-to-vendor-warr	anty)			tpr	mC Rati	ing:	32,377.17
Audited by Bradley J. Askins of InfoSizing, Inc.	are House Internation	aı			\$ / tpr	nC:	\$7.58
8-Port 10/100Mbps Nway Fast Ethernet Switch*  Large volume discount of 14% on IBM hardware; prices  Notes: *The standard 3-year warranty on IBM hardware has be response time coverage. ** Five-year warranty. *** 10% or min of on-site service (products have a 5-year return-to-vendor-warr  Pricing: 1 - IBM Corp; 2 - Microsoft Corp.; 3 - Mylex; 4- Softwa	s vary if purchased en upgraded to 7x24, imum 2 spares are ad anty)	4-hour ded in place	1	So 14% ar Cost of C	ubtotal Total Owners	\$175 \$251,322 (25,072) hip:	\$19,2 \$245,46 32,377.1

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 reflest and ard pricing policies for the listed components. For complete details, see the pricing sections of the TPC benchmark specification. If you first attend prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.

MQTh, Computed Maximum % throughput difference, rep	32,377.17 tpmC 0.08%			
Response Times (in seconds)	90%	Average	Maximum	
New-Order	0.74	0.41	5.11	
Payment	0.64	0.32	4.18	
Order-Status	0.66	0.34	5.06	
Delivery (Interactive)	0.12	0.12	1.20	
Delivery (Deferred)	0.40	0.23	0.91	
Stock-Level	1.95	1.36	4.68	
Menu	0.12	0.12	1.56	
Transaction Mix (in percent of total transactions)		Total Occurrences	Percent	
New-Order		971,315	44.85	
Payment		931,527	43.01	
Order-Status		87,600	4.05	
Delivery		87,496	4.04	
Stock-Level		87,668	4.05	
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		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 / 12.04	18.03 / 120.50	
Payment	3.00 / 0.00	3.02 / 12.03	3.03 / 120.50	
Order Status	2.00 / 0.00	2.01 / 10.05	2.02 / 100.50	
Delivery	2.00 / 0.00	2.01 / 5.06	2.02 / 50.50	
Stock-Level	2.00 / 0.00	2.01 / 5.04	2.03 / 50.49	
Test Duration				
Ramp-up time			9 mir	
Measurement interval	30 mir			
	2,253			
Number of transactions (al	i types <i>)</i> completed in med	iouromont mitor var	_,	