

<b>System Component</b>	Qty	Server	Qty	Client
Processors	1	1.266GHz Pentium III	1	1GHz Pentium III
Cache		w/512KB L2 Cache		w/256KB L2 Cache
Memory	1	128MB	1	128MB
	2	1GB ECC SDRAM RDIMM	1	256MB
Disk Controllers	3	ServeRAID-4MX	1	Ultra160 SCSI Interface
Disk Drives	37	9.1GB (10000 rpm) 36.4GB (10000 rpm)	1	9.1GB Hard Disk
Total Storage		346.55GB		
Tape Drive	1	20/40GB SCSI Tape Drive		

## **IBM Corporation**

## IBM @server xSeries 220 c/s with Microsoft SQL Server 2000

TPC-C Rev. 5.0

Report Date: Oct. 16, 2001

Description	Order Number	Thir	d-Party	Unit	Qty	Ext. Price	3-Yr.
· ·		Brand	Pricing	Price	•		Maint.*
Server Hardware							
xSeries 220 / 1.266GHz/512KB Pentium III	864641X		1	\$1,049	1	\$1,049	\$748
1GB ECC SDRAM RDIMM Memory Kit	33L3152		1	1,239	2	2,478	0
ServeRAID-4MX Ultra160 SCSI Adapter	06P5736		1	999	3	2,997	0
Netfinity 4.2M Ultra2 SCSI Cable	03K9311		1	105	6	630	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
NetBAY22 Rack*	9306200		1	1,455	1	1,455	300
Storage Hardware							
Netfinity EXP300 Rack Storage Enclosure*	35311RU		1	3,179	3	9,537	600
9.1GB 10K Ultra160 SCSI Drive	37L7204		1	275	37	10,175	0
36.4GB 10K Ultra160 SCSI Drive	37L7206		1	549	2	1,098	0
				5	Subtotal	\$30,347	\$1,738
Server Software							
Microsoft SQL Server 2000 Standard Edition	228 01070	Microsoft	2	4,999	1	\$4,999	\$0
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	1	ъ4,999 738	φυ 0
	C11-00621		2		3	130	-
Three-Year Maintenance for Software		Microsoft	2	2,095	-	<b>Ф</b> Г 707	6,285
				•	Subtotal	\$5,737	\$6,285
Client Hardware							
xSeries 220 / 1GHz/256KB Pentium III*	864221X		1	849	1	\$849	\$748
256MB 133MHz ECC SDRAM RDIMM	33L3144		1	245	1	245	0
9.1GB 10K Ultra160 SCSI Drive	37L7204		1	275	1	275	0
E54 15" (13.8" Viewable) Color Monitor*	6331N2N		1	159	1 _	159	90
				5	Subtotal	\$1,528	\$748
Client Software							
Microsoft Windows 2000 Server with COM+	C11-00821	Microsoft	2	738	1	738	0
Microsoft Visual C++ Professional 6.0 Win32	048-00317	Microsoft	2	549	1 _	549	0
				5	Subtotal	\$1,287	\$0
User Connectivity							
8-Port 10/100Mbps Hub*** (incl. 2 spares)			3	24	3	72	0
				5	Subtotal	\$72	\$0
					Total	\$38,971	\$8,861
Large volume discount of 14% on IBM har	dware: prices w	ill vary if pu	rchased sepa	rately.	-	(4,463)	\$0
Notes: * The standard 3-year warranties on IE			1			, ,	•
upgraded to 7x24, 4-hour response time cov		e been	Three-Ye	ear Cost of	f Owner	ship:	\$43,370
** Five-year warranty. *** 10% or minimum 2 spares are added in place of							
on-site service (products have a 5-year return-to-vendor-warranty)				t	pmC Ra	tıng:	9,112.91
Pricing: 1 - IBM Corp.; 2 - Microsoft Corp.; 3 - SHI					<b>611</b>		Φ4 <b>7</b> 0
Audited by Bradley J. Askins of InfoSizing, In	C.				ֆ∕tp	mC:	\$4.76
Prices used in TPC benchmarks reflect the actual	prices a customer v	would pay for	a one-time purcl	hase of the s	tated con	nponents.	

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 specification. If you find that stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.

Numerical Quantities Summary							
MQTh, Computed Maximun	9,112.91 tpmC						
Response Times (in seconds)	Average	Maximum	90 %-tile				
New-Order	0.60	8.63	1.01				
Payment	0.50	3.18	0.91				
Delivery	0.16	1.36	0.34				
Stock Level	0.93	4.17	2.34				
Order Status	0.53	9.75	0.94				
Delivery (Deferred)	0.99	6.45	1.85				
Menu	0.16	1.41	0.35				
Transaction Mix (in perc	ent of total transactions)	Total Occurrences	Percent				
New-Order		1,093,549	44.86				
Payment		1,049,077	43.04				
Delivery		98,594	4.04				
Stock-Level		98,375	4.04				
Order Status		97,968	4.02				
Emulation Delay (in seconds)		Response Time	Menu				
New-Order		0.1	0.1				
Payment		0.1	0.1				
Delivery		0.1	0.1				
Stock-Level		0.1	0.1				
Order Status		0.1	0.1				
Keying/Think Times (in seconds)	Average	Minimum	Maximum				
New Order	18.01 / 12.05	18.00 / 0.00	18.06 / 120.50				
Payment	3.01 / 12.05	3.00 / 0.00	3.06 / 120.50				
Delivery	2.01 / 5.07	2.00 / 0.00	2.05 / 50.50				
Stock Level	2.01 / 5.05	2.00 / 0.00	2.06 / 50.50				
Order Status	2.01 / 10.03	2.00 / 0.00	2.05 / 100.50				
Test Duration							
Ramp-up time	Ramp-up time						
Measurement interval	120 minutes						
Number of transactions (a	2,536,155						
Ramp-down time	4 minutes						
Number of checkpoints in	4						
Checkpoint interval	30 minutes						