

<b>IBM</b> Corporation	IBM @server xSeries 220 c/s with		TPC-C Rev. 5.0 Report Date: Oct. 16, 2001				
-	Microsoft SQL Server 2000						
Description	Order Number	Thi Brand	rd-Party Pricing	Unit Price	Qty	Ext. Price	3-Yr. 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
0				S	ubtotal	\$30,347	\$1,738
Server Software							
Microsoft SQL Server 2000 Standard Edition	228-01079	Microsoft	2	4,999	1	\$4,999	\$0
Microsoft Windows 2000 Server	C11-00821	Microsoft	2	738	1	738	0
Three-Year Maintenance for Software		Microsoft	2	2,095	3		6,285
Client Hardware				S	ubtotal	\$5,737	\$6,285
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 ubtotal	<u>159</u> \$1,528	90 \$748
Client Software				3	ubiolai	φ1,520	<b>φ140</b>
Microsoft Windows 2000 Server with COM+	C11-00821	Microsoft	2	738	1	738	0
Microsoft Visual C++ Professional 6.0 Win32		Microsoft	2	549	1	549	0
		Microcont	-		ubtotal		\$Ŭ
User Connectivity							
8-Port 10/100Mbps Hub*** (incl. 2 spares)			3	24	3	72	0
				S	ubtotal	Ŧ	\$0
					Total	\$38,971	\$8,861
Discount on IBM Hardware 14%			1			(4,463)	\$0
Notes: * The standard 3-year warranties on IBM hardware have been upgraded to 7x24, 4-hour response time coverage. ** Five-year warranty. *** 10% or minimum 2 spares are added in place of				Three-Year Cost of Ownership: \$43			
on-site service (products have a 5-year return Pricing: 1 - IBM Corp.; 2 - Microsoft Corp.; 3 Audited by Bradley J. Askins of InfoSizing, In-	osoft Corp.; 3 - SHI			9,112.91 \$4.76			
Prices used in TPC benchmarks reflect the actual Individually negotiated discounts are not permitte	prices a customer v						itted.

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 Maximum (	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 percent 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	25 minutes					
Measurement interval	120 minutes					
Number of transactions (all	2,536,155					
Ramp-down time	4 minutes					
Number of checkpoints in m	4					
Checkpoint interval	30 minutes					