

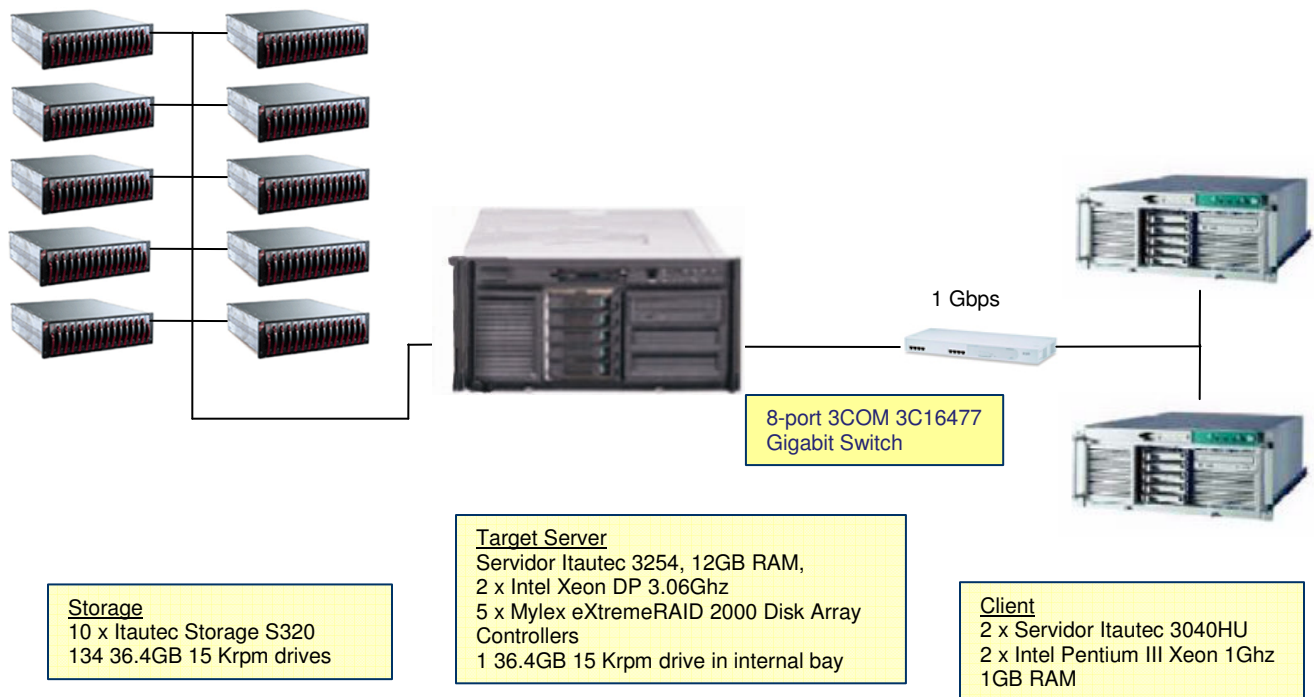


**Servidor Itautec 3254 2P C/S  
with Servidor Itautec 3040HU**

**TPC-C Rev. 5.1**

**Report Date:** 09/21/2003

<b>Total System Cost</b>		<b>TPC-C Throughput</b>		<b>Price/Performance</b>		<b>Availability Date</b>	
R\$ 934.667,07		36027.71		R\$ 25.94		09/21/2003	
<b>Processors</b>	<b>Database Manager</b>	<b>Operating System</b>	<b>Other Software</b>		<b>Number of Users</b>		
2 Intel Xeon DP Processor 3.06GHz – Server  2 Intel Pentium III Xeon Processor 1.0 GHz - Client	Microsoft SQL Server 2000 Enterprise Edition SP3	Windows Server 2003 Enterprise Edition	Microsoft Visual C++ Microsoft COM+		<b>28,800</b>		



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
<b>Processor</b>	2	3.06 GHz Intel Xeon DP w/ 512 KB cache / 533 MHz frontside BUS	2	1.0 GHz Pentium III Xeon w/ 256 KB cache / 133 MHz frontside BUS
<b>Memory</b>	6	2GB Register DDR ECC 266MHz	2	512 MB Register SDRAM ECC DIMM
<b>Disk Controllers</b>	5	Mylex eXtremeRAID 2000	1	Adaptec AIC-7899 Ultra2
<b>Disk Drives</b>	1	36.4 GB SCSI Drive 15 Krpm	1	18.2 GB 10Krpm SCSI Drive
	134	36.4 GB SCSI Drive 15 Krpm		
<b>Total Storage</b>	4914 GB		18.2 GB	
<b>Tape Drives</b>	1	20/40 GB DAT		

# Numerical Quantities Summary

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**MQTh**, Computed Maximum Qualified Throughput

**36027.71 tpmC**

## Response Times (in seconds)

	<b>Average</b>	<b>90 th</b>	<b>Max</b>
New Order	0.45	0.80	9.14
Payment	0.29	0.50	13.87
Order Status	0.29	0.48	5.89
Delivery (interactive)	0.10	0.11	1.20
Delivery (deferred)	0.40	0.79	3.00
Stock Level	1.15	1.79	4.05
Menu	0.11	0.12	6.23

## Response time delay added for emulated components

Menu 0.1

Resp. 0.1

## Transaction Mix, in percent of total transactions


New-Order	44.89%
Payment	43.02%
Order-Status	4.03%
Delivery	4.03%
Stock-Level	4.03%

## Keying/Think Times (in seconds)

	<b>Min</b>		<b>Average</b>		<b>Max</b>	
New Order	18.00	0.00	18.01	12.05	18.03	120.51
Payment	3.00	0.00	3.01	12.05	3.03	120.51
Order Status	2.00	0.00	2.01	10.07	2.03	100.50
Delivery	2.00	0.00	2.01	5.07	2.03	50.51
Stock Level	2.00	0.00	2.01	5.05	2.03	50.51

## Test Duration

Ramp-up time	40 minutes
Measurement interval	120 minutes
Number of checkpoints	4
Checkpoint interval	30 minutes
Number of transactions (all types) completed in measurement interval	10,018,401

 <b>Itautec Philco</b>		<b>Servidor Itautec 3254</b>			<b>TPC-C Rev. 5.1</b>		
					<b>Report Date: 09/22/2003</b>		
Description	Part Number	Third Party Brand	Unit Price	Quantity	Extended Price	3 yr. Maint. Price	
<b>Server Hardware</b>							
Servidor Itautec 3254							
Base System with 1 x Xeon DP 3.06Ghz/512KB	B5WVD	Itautec	1	15.151	1	15.151	
Intel Xeon DP 3.06Ghz/512KB BTO Option	F8275	Itautec	1	4.377	1	4.377	
2 GB DDR200 PC1600 ECC Reg memory	F1563	Itautec	1	13.056	6	78.336	
36 GB 15K HDD	F4637	Itautec	1	1.854	1	1.854	
On-Board Intel PRO1000XT LAN	Included	Itautec	1	-	1	-	
On-Board Intel PRO100+ LAN	Included	Itautec	1	-	1	-	
CD-ROM, Internal SCSI Adapter	Included	Itautec	1	-	1	-	
Upgrade to 3-year / 4-hour response / 7days - 24hrs	1994/2003_02	Itautec	1	-	1	12.563	
Monitor 15" SYNC MASTER 551S	E9801	Itautec	1	450	1	450	
					<b>Subtotal</b>	<b>100.168</b>	<b>12.563</b>
<b>Disk Subsystem</b>							
Extreme RAID 2000 4 Channel Controller (+ 1 spare)	A4805	Itautec	1	7.759	5	38.795	
Itautec Storage Ultrab SC2100CTR-AC (+ 1 spare)	F1390	Itautec	1	23.185	11	255.035	
36GB Ultra320 15K rpm (+10% spare)	F6853	Itautec	1	2.798	149	416.902	
EXT SCSI Cable Eurou VHDCI68P (+2 spare)	E8158	Itautec	1	583	9	5.247	
EXT SCSI Cable HD68/VHD68 (+ 1 spare)	86610	Itautec	1	239	4	956	
Kit Rack for Storage	F1781	Itautec	1	729	10	7.290	
Rack Itautec F2400	F2400	Itautec	1	4.636	2	9.272	
					<b>Subtotal</b>	<b>733.497</b>	<b>-</b>
<b>Server Software</b>							
Microsoft Windows 2003 Enterprise Edition	P72-00264	Microsoft	1	8.611	1	8.611	
SQL Server 2000 Ent. Edition (per processor)	810-00848	Microsoft	1	70.557	2	141.114	
					<b>Subtotal</b>	<b>149.725</b>	<b>-</b>
<b>Client Hardware</b>							
Servidor Itautec 3040HU							
Base System Wwith 1 x Pentium III 1Ghz/256KB	B4G6Q	Itautec	1	6.509	2	13.018	
1 x Pentium III 1GHz/512KB BTO Option	A9347	Itautec	1	1.369	2	2.738	
2 x 512MB Memory	F0251	Itautec	1	1.300	2	2.600	
1 x 18GB 10K rpm	F0555	Itautec	1	620	2	1.240	
Intel Pro/1000 T Server Adapter	F3608	Itautec	1	1.849	4	7.396	
CD-ROM, On-Board LAN	Included	Itautec	1	-	1	-	
Upgrade to 3-year / 4-hour response / 7days - 24hrs	1994/2003	Itautec	1	1.363	2	-	
Monitor 15" SYNC MASTER 551S	E9801	Itautec	1	450	1	450	
					<b>Subtotal</b>	<b>27.442</b>	<b>2.726</b>
<b>Client Software</b>							
Microsoft Windows 2000 Server	C11-00821	Microsoft	1	2.985	2	5.970	
Microsoft Visual C++ Professional 6.0	254-00257	Microsoft	1	393	1	393	
					<b>Subtotal</b>	<b>6.363</b>	<b>-</b>
<b>Network components</b>							
SWITCH 8P BASELINE 10/100/1000	3C16477-ME	Itautec	1	2.148	1	2.148	
					<b>Subtotal</b>	<b>2.148</b>	<b>-</b>
					<b>TOTAL</b>	<b>1,019,343</b>	<b>15,289</b>
Large volume purchase with cash in advance Discount on Itautec Hardware (11.58%)						99,965	
					<b>TOTAL</b>	<b>919,378</b>	<b>15,289</b>
Pricing: 1 - Itautec					3-Yr. Cost of Ownership: \$	934,667,07	
					tpmC Rating:	36027,71	
					<b>R\$ / tpmC:</b>	<b>25,94</b>	
<b>Audited By Lorna Livingtree</b>							

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 specifications. If you find that the stated prices are not available according to these items, please inform the TPC at [pricing@tpc.org](mailto:pricing@tpc.org).