

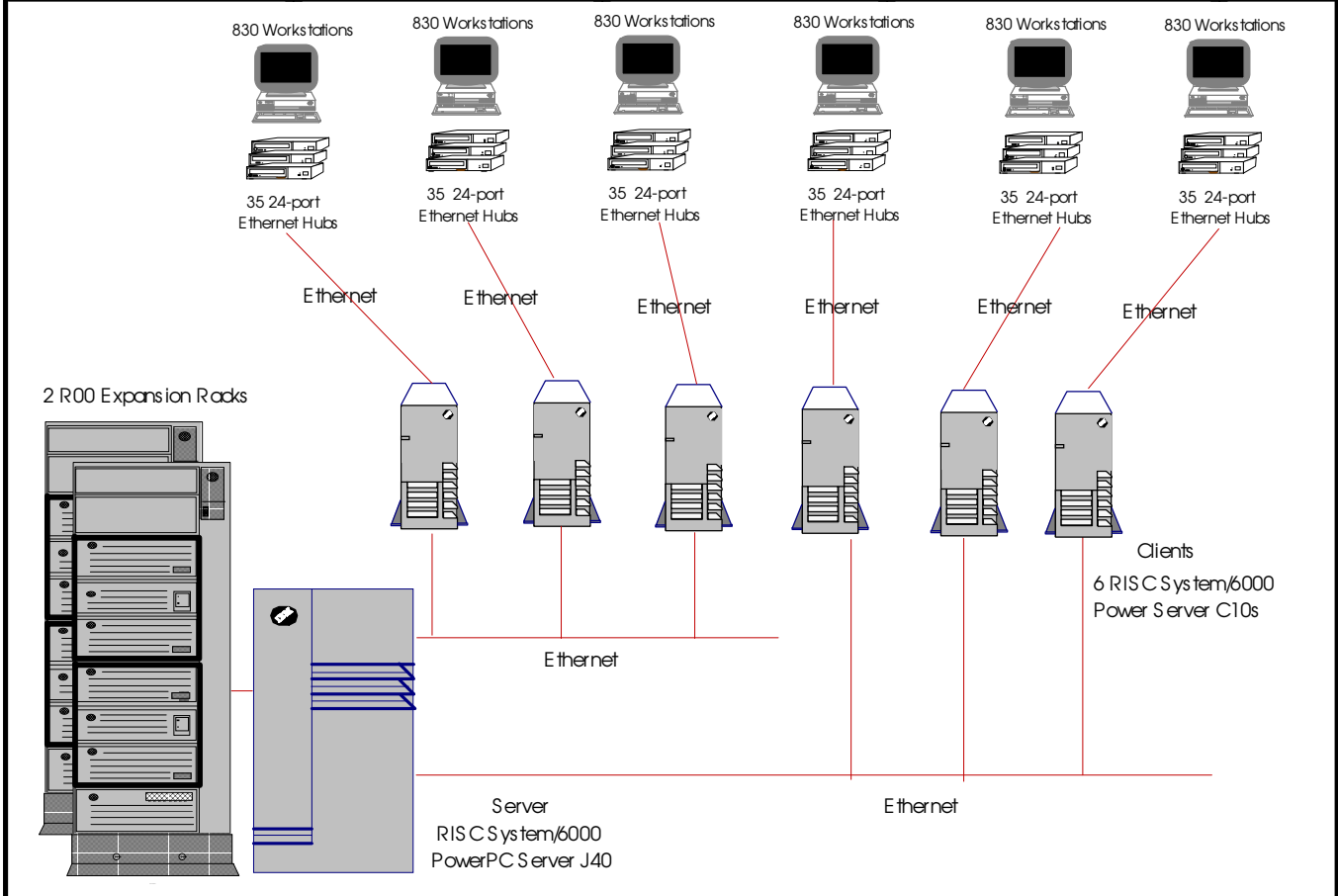


# RISC System/6000 PowerPC Server J40 c/s

**TPC-C Rev. 3.2**

Report Date: July 23, 1996

<b>Total System Cost</b>	<b>TPC-C Local Throughput</b>	<b>Price/Performance</b>	<b>Availability Date:</b>	
<b>\$1,405,806</b>	<b>5774.07 tpm-C</b>	<b>\$243 per tpm-C</b>	8/23/96 except Sybase SQL Server 11.0.3 available 12/15/96	
<b>Processors</b>	<b>Data Base Manager</b>	<b>Operating System</b>	<b>Other Software</b>	<b>Number of users</b>
<b>(8) 112 MHZ PowerPC 604</b>	<b>Sybase SQL Server Version 11.0.3</b>	<b>AIX 4.1.4</b>	<b>BEA Tuxedo /T Version 4.2.1 Sybase Open Client</b>	<b>4980</b>



<u>System Components</u>	<u>Qty</u>	<u>Client Description</u>	<u>Qty</u>	<u>Server Description</u>
Processors	6	IBM RS/6000 C10 80 MHZ PowerPC 601	1	IBM RS/6000 PowerPC Server Model J40
Memory	6	256 MB	1	2,048 MB Main Memory 1mb L2 Cache per CPU
Disk Controllers	6	Integrated SCSI	1	SCSI-2 Adapter
Disk Drives	6	1.0 GB SCSI Disk	2	SSA Adapters
			34	4.5 GB Disks
			113	2.2 GB Disks
Total GB of Storage		1 GB each client		379.23 GB
Terminals	6	System Consoles	1	System Console
Terminal Connectivity	210	Ultra SlimLine 24-port Ethernet Hubs	+10%	Spares



# RISC System/6000 PowerPC Server J40

TPC-C Rev. 3.2

Report Date: July 23, 1996

Description	Part Number	Third Party Brand	Pricing	Unit Price	Qty	Extended Price	5 yr. Maint Price
<b>Server Hardware</b>							
RS/6000 Server Model J40	7013-J40			54,000	1	54,000	32,400
Dual 604, 128mb Memory, 4.5GB Disk, SCSI2 Diff F/W Adptr, CDROM							
Dual Processor card, 1mb L2/CPU	4302			12,000	3	36,000	21,600
512MB Select Memory	4146			29,120	1	29,120	0
512mb Memory Cards	4158			33,280	3	99,840	0
4.5gb Disk Drive Select	3051			n/c	1	0	0
Int. 4.5gb SCSI2 Disks	3054			3,250	1	3,250	0
Int. 2.2gb SCSI2 Disks	3053			2,300	1	2,300	0
Ethernet Adapter	2980			722	2	1,444	0
SSA Adapters 4port	6214			1,370	2	2,740	0
System Rack Model R00	7015-R00			3,110	2	6,220	2,976
SSA Disk Subsystem (Rack-mount)	7133-010			17,500	9	157,500	75,600
4.5 GB Disk Drive Mod 16 Sel	3416			2,500	32	80,000	0
2.2GB Disk incl Base Drawer 4	9204			n/c	28	0	0
2.2 GB Disk Drive Mod 12 Sel + 4	3216			2,200	84	184,800	0
Power/Cooling	3003			1,600	9	14,400	0
SSA Cables	5904			80	9	720	0
				<b>Subtotal</b>		<b>672,334</b>	<b>132,576</b>
<b>Server Software</b>							
AIX 4.1.4 J40 + Support	5765-655			3,050	1	3,050	16,500
SQL Server V11, Unlimit Users, 10% Disc		Sybase	1	324,000	1	324,000	198,000
				<b>Subtotal</b>		<b>327,050</b>	<b>214,500</b>
<b>Client Hardware</b>							
RS/6000 Server Model C10 16mb/1gb	7009			10,995	6	65,970	33,120
Select 4mb -> 32mb SIMM	4026			1,540	24	36,960	0
Add. 32mb SIMM Memory	4012			1,760	24	42,240	0
Ethernet Adapter	2980			722	6	4,332	0
Network Terminal Accelerator	2407			6,284	6	37,704	6,624
				<b>Subtotal</b>		<b>187,206</b>	<b>39,744</b>
<b>Client Software</b>							
AIX 3.2.5 C10 + Support	5756-030			6,150	6	36,900	5,940
Async Term Srv Accel	5765-268			195	6	1,170	0
Tuxedo EPT Ver 4.2, C10 Client		BEA	2	3,500	6	21,000	15,750
				<b>Subtotal</b>		<b>59,070</b>	<b>21,690</b>
<b>User Connectivity</b>							
Ultra SlimLine Ethernet Hub (24port)	DEH1487	ITI Networks	3	310	210	65,100	0
Ultra SlimLine Ethernet Hub spares	DEH1487	ITI Networks	3	310	21	6,510	0
IBM ASCII Terminal, Keyboard	3151-360			508	7	3,556	1,344
				<b>Subtotal</b>		<b>75,166</b>	<b>1,344</b>
				<b>Other Discounts*</b>		<b>(271,265)</b>	<b>(53,609)</b>
				<b>Total</b>		<b>1,049,561</b>	<b>356,245</b>

Notes:

\*Dollar Volume Discount 30%, Maint 17%

1=Sybase, 2=BEA Systems, 3=Data Comm/Warehouse

Audited by: Francois Raab, Information Paradigm

**Five-Year Cost of Ownership: 1,405,806**

**tpmC Rating: 5,774.07**

**\$/tpmC: 243.47**

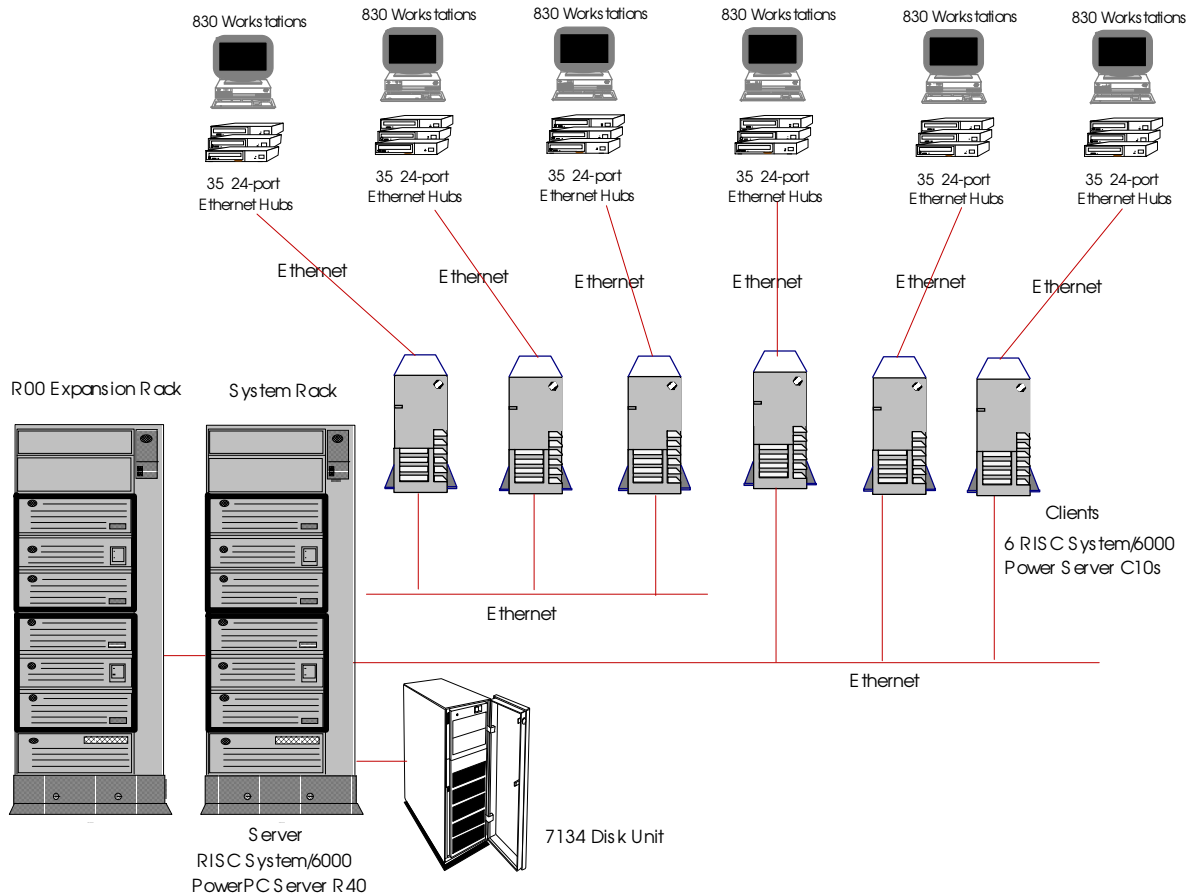


## RISC System/6000 PowerPC Server R40 c/s

**TPC-C Rev. 3.2**

Report Date: July 23, 1996

<b>Total System Cost</b>	<b>TPC-C Local Throughput</b>	<b>Price/Performance</b>	<b>Availability Date:</b>	
<b>\$1,431,944</b>	<b>5774.07 tpm-C</b>	<b>\$248 per tpm-C</b>	8/23/96 except Sybase SQL Server 11.0.3 available 12/15/96	
<b>Processors</b>	<b>Data Base Manager</b>	<b>Operating System</b>	<b>Other Software</b>	<b>Number of users</b>
<b>(8) 112 MHZ PowerPC 604</b>	<b>Sybase SQL Server Version 11.0.3</b>	<b>AIX 4.1.4</b>	<b>BEA Tuxedo /T Version 4.2.1 Sybase Open Client</b>	<b>4980</b>



<u>System Components</u>	<u>Qty</u>	<u>Client Description</u>	<u>Qty</u>	<u>Server Description</u>
<b>Processors</b>	<b>6</b>	<b>IBM RS/6000 C10 80 MHZ PowerPC 601</b>	<b>1</b>	<b>IBM RS/6000 PowerPC Server Model R40</b>
<b>Memory</b>	<b>6</b>	<b>256 MB</b>	<b>1</b>	<b>2,048 MB Main Memory 1mb L2 Cache per CPU</b>
<b>Disk Controllers</b>	<b>6</b>	<b>Integrated SCSI</b>	<b>1</b>	<b>SCSI-2 Adapter</b>
<b>Disk Drives</b>	<b>6</b>	<b>1.0 GB SCSI Disk</b>	<b>2</b>	<b>SSA Adapters</b>
			<b>34</b>	<b>4.5 GB Disks</b>
			<b>113</b>	<b>2.2 GB Disks</b>
<b>Total GB of Storage</b>		<b>1 GB each client</b>		<b>379.23 GB</b>
<b>Terminals</b>	<b>6</b>	<b>System Consoles</b>	<b>1</b>	<b>System Console</b>
<b>Terminal Connectivity</b>	<b>210</b>	<b>Ultra SlimLine 24-port Ethernet Hubs</b>		<b>+ 10% Spares</b>



# RISC System/6000 PowerPC Server R40

TPC-C Rev. 3.2

Report Date: July 23, 1996

Description	Part Number	Third Party Brand Pricing	Unit Price	Qty	Extended Price	5 yr. Maint Price	
<b>Server Hardware</b>							
RS/6000 Server Model R40 Dual 604, 128mb Memory, SCSI2 Diff F/W Adptr, CDROM	7015-R40		67,000	1	67,000	38,832	
Dual Processor card, 1mb L2/CPU	4302		12,000	3	36,000	21,600	
512MB Select Memory	4148		24,960	1	24,960	0	
512mb Memory Cards	4158		33,280	3	99,840	0	
Ethernet Adapter	2980		722	2	1,444	0	
SSA Adapters 4port	6214		1,370	2	2,740	0	
SCSI-2 Differential Fast/Wide Adapter	2416		1,370	1	1,370	0	
System Rack Model R00	7015-R00		3,110	2	6,220	2,976	
Cluster Power Controller	6175		3,110	1	3,110	0	
Deep Door For Rack with MP	6096		500	1	500	0	
High Density SCSI Disk Subsystem	7134-010		13,400	1	13,400	6,720	
Two 4.5 GB Disk Drive Modules Select	2724		326	1	326	0	
2.2 GB Disk Drive Module	2712		2,400	1	2,400	0	
SSA Disk Subsystem (Rack-mount)	7133-010		17,500	9	157,500	75,600	
4.5 GB Disk Drive Mod 16 Sel	3416		2,500	32	80,000	0	
2.2GB Disk incl Base Drawer 4	9204		incl	28	0	0	
2.2 GB Disk Drive Mod 12 Sel + 4	3216		2,200	84	184,800	0	
Power/Cooling	3003		1,600	9	14,400	0	
SSA Cables	5904		80	9	720	0	
<b>Subtotal</b>					<b>696,730</b>	<b>145,728</b>	
<b>Server Software</b>							
AIX 4.1.4 R40 + Support	5765-655		3,050	1	3,050	16,500	
SQL Server V11, Unlimit Users, 10% Disc		Sybase	1	324,000	324,000	198,000	
<b>Subtotal</b>					<b>327,050</b>	<b>214,500</b>	
<b>Client Hardware</b>							
RS/6000 Server Model C10 16mb/1gb	7009		10,995	6	65,970	33,120	
Select 4mb -> 32mb SIMM	4026		1,540	24	36,960	0	
Add. 32mb SIMM Memory	4012		1,760	24	42,240	0	
Ethernet Adapter	2980		722	6	4,332	0	
Network Terminal Accelerator	2407		6,284	6	37,704	6,624	
<b>Subtotal</b>					<b>187,206</b>	<b>39,744</b>	
<b>Client Software</b>							
AIX 3.2.5 C10 + Support	5756-030		6,150	6	36,900	5,940	
Async Term Srv Accel	5765-268		195	6	1,170	0	
Tuxedo EPT Ver 4.2, C10 Client		BEA	2	3,500	21,000	15,750	
<b>Subtotal</b>					<b>59,070</b>	<b>21,690</b>	
<b>User Connectivity</b>							
Ultra SlimLine Ethernet Hub (24port)	DEH1487	ITI Networks	3	310	210	65,100	0
Ultra SlimLine Ethernet Hub spares	DEH1487	ITI Networks	3	310	21	6,510	0
IBM ASCII Terminal, Keyboard	3151-360		508	7	3,556	1,344	
<b>Subtotal</b>					<b>75,166</b>	<b>1,344</b>	
<b>Other Discounts*</b>					<b>(278,584)</b>	<b>(57,700)</b>	
<b>Total</b>					<b>1,066,638</b>	<b>365,306</b>	

**Notes:**

\*Dollar Volume Discount 30%, Maint 17%

1=Sybase, 2=BEA Systems, 3=Data Comm/Warehouse

Audited by: Francois Raab, Information Paradigm

**Five-Year Cost of Ownership: 1,431,944**

**tpmC Rating: 5,774.07**

**\$/tpmC: 248.00**