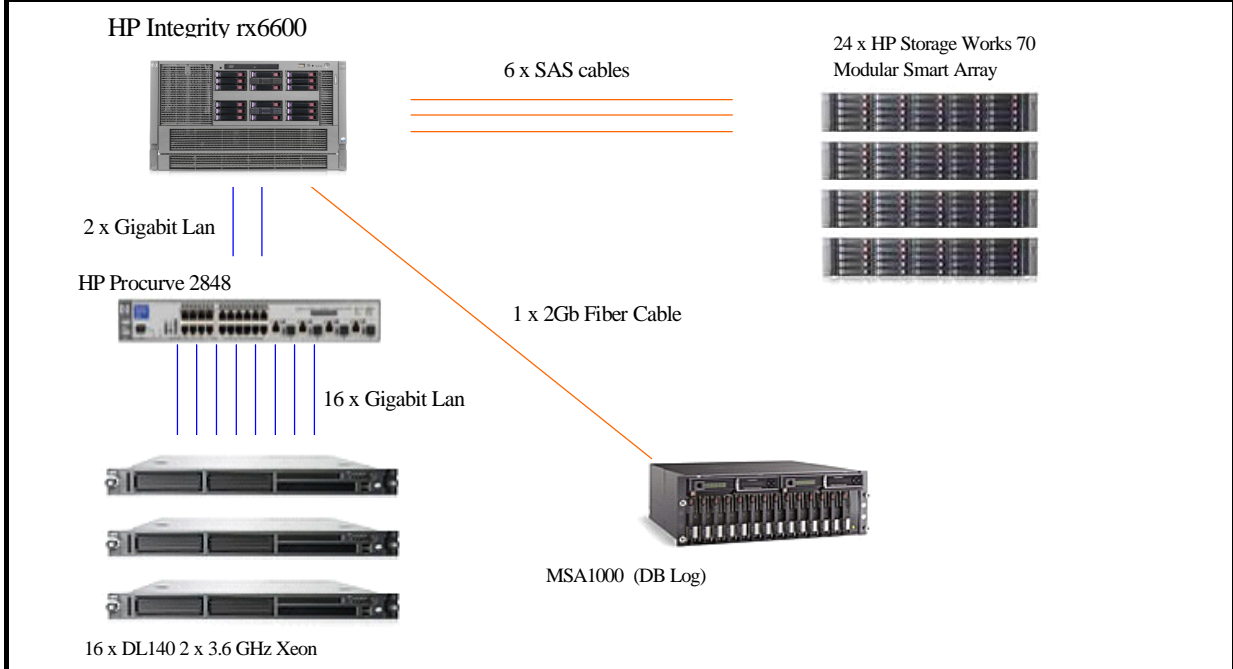

 invent Hewlett-Packard Company	<h1>HP Integrity rx6600</h1>			TPC-C Rev 5.8
				TPC-C Pricing Rev 1.1.0
Total System Cost	TPC Throughput	Price/Performance	Report Date	Availability Date
\$673,351 USD	372,140 tpmC	\$1.81 USD per tpmC	June 11, 2007	June 11, 2007
Procs/Cores/Threads	DataBase Manager	Operating System	Other Software	Number of Users
Srvr - 4/8/16 Dual Core Itanium 2 Processor 9050 @ 1.6GHz Client - 16 x 2/2/4 Intel Xeon @ 3.6 GHz	Microsoft SQL Server 2005 Enterprise Itanium Edition	Microsoft Windows Server 2003, Enterprise Edition for Itanium-based Systems, SP1	Microsoft Visual C++ Microsoft COM+ Transaction Monitor	297,840



System Components	Server		Each Client	
	Qty	Type	Qty	Type
Procs/Cores/Thrds	4/8/16	Dual Core Itanium 2 Processor 9050 CPUs	2/2/4	3.6 GHz Intel Xeon
Cache Memory		24 MB L3 cache		512 KBYTE L2 Cache
Memory	12	4 x 4 Gbyte	1	1024 MB
Disk Controllers	6 1	HP Smart Array P600/256 Controller FC-HBA 4GB, FC2143	1	ATA
Disk Drives	576 12 2	36GB, 15K SAS HDD HP 300GB 10 KRPM U320 HP 36 GB 10 KRPM SAS	1	80 Gbyte disk
Total Storage		22711.00		80 Gbyte
Tape Drives	1	HP TA5300		
Terminals	1	Console Terminal	1	Console Terminal

 Hewlett Packard Company		HP rx6600		TPCC Rev 5.8 February 2007 11-Jun-07		
Description	Price Key	Part Numbr	Unit Price	Qty	Extended Price	3 Yr Maint Price
HP Integrity rx6600 with (4) 1.6GHz/24MB Processor includes dual port 10/100/1000GbE adapter and 1 power supply						
I/O backplane	1	AD134A#180	\$43,845	1	\$43,845	
core I/O: 8-port SAS Smart Array RAID Controller Card	1	AD296A	\$0	1	\$0	
HP Smart Array P600/256 BBWC Controller	1	AB036A #100	\$500	1	\$500	
192GB - 16GB DDR2 memory quad (4x4GB)	1	337972-B21	\$729	6	\$4,374	
48 DIMM Carrier Board	1	AB566A	\$18,977	12	\$227,724	
36GB, 10K SAS HDD	1	AD127A	\$4,495	1	\$4,495	
Racked form factor kit	1	AD140A	\$356	2	\$712	
3 Year Support (Hardware and Software)	1	AD053A	\$150	1	\$150	
DVD-ROM	1	HA110A3				\$8,577
FC-HBA 4GB, FC2143	1	AD142A	\$230	1	\$230	
HP 36GB 3G SAS 15K SFF SP HDD	1	AD167A	\$1,225	1	\$1,225	
HP 36GB 3G SAS 15K SFF SP HDD (10% Spares)	1	431933-B21	\$369	576	\$212,544	
HP StorageWorks 70 Modular Smart Array	1	431933-B21	\$369	58	\$21,402	
HP StorageWorks 70 Modular Smart Array (10% Spares)	1	418800-B21	\$3,199	24	\$76,776	
HP Rack 5642	1	418800-B21	\$3,199	3	\$9,597	
UPS - HP R1500 XR Low Voltage US	1	358254-B21	\$865	3	\$2,595	
HP 16A High Voltage Modular PDU	1	204404-001	\$866	1	\$866	
Modular Storage Array 1000	1	252663-B24	\$299	6	\$1,794	
MSA1000 Controller, with 256 MB cache	1	201723-B22	\$6,499	1	\$6,499	
300 GB Ultra320 10K Universal Hard Drive	1	218231-B22	\$4,290	1	\$4,290	
300 GB Ultra320 10K Universal Hard Drive (10% Spares)	1	350964-B22	\$839	12	\$10,068	
5M LC to LC Cable Kit	1	350964-B22	\$839	2	\$1,678	
TA5300 Enclosure for DAT tape	1	221692-B22	\$82	1	\$82	
DAT Tape	1	C7508B	\$729	1	\$729	
	1	C7497C	\$899	1	\$899	
Server Subtotal					\$633,074	\$8,577
Windows Server 2003	1	T2373A	\$3,602	1	\$3,602	
SQL Server 2005	2	810-03134	\$23,432	4	\$93,728	
Server Software Subtotal					\$97,330	\$0
DL140 G2 X3.6/2MB NHP SCSI US Rck Svr	1	383503-001	\$2,799	16	\$44,784	
2nd 3.6GHz Xeon Processor for DL140	1	378283-B21	\$1,079	16	\$17,264	
3 Year Support (ProLiant Hardware)	1	HA110A3	\$468	16		\$7,488
HP Mouse	1	P5304M	\$28	1	\$28	
HP Enhanced Keyboard (USB/PS2)	1	DC852A#ABA	\$25	1	\$25	
HP ProCurve 2824 port switch	1	J4903A	\$2,499	1	\$2,499	
3 Year Support (ProCurve Hardware and Software)	1	HA110A3	\$1,298	1		\$1,298
S7540 17in CRT Monitor	1	PF997AA	\$139	1	\$139	
D-Link 16-Port Rackmountable KVM Switch with Cables	3	DKVM-16-B	\$599	1	\$599	
Client Subtotal					\$65,338	\$8,786
Microsoft Windows Server 2003 Standard Edition	2	P73-00295	\$719	16	\$11,504	
Microsoft Visual C++ Standard	2	254-00170	\$109	1	\$109	
Microsoft Problem Resolution	2		\$245	1		\$245
Client Software Subtotal					\$11,613	\$245
*Total Extended Price:					\$824,963	
HP's Large Configuration Discount *					*Total Discount:	-\$151,612
Price Key: 1=HP, 2=Microsoft, 3=KVMS.com			3 year cost of ownership:		\$673,351 USD	
			tpmC:		372,140	
* A 21.09% discount was based on the overall value of the specific components from HP (Price Key 1) in this single quotation. Discounts for similarly sized configurations will be similar to those quoted here, but may vary based on the components in the configuration			\$/tpmC:		\$1.81 USD	
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 section of the TPC benchmark specification. If you find that the state prices are not available to these terms, please inform the TPC at pricing@tpc.org. Thank you						
Sales contact Vendor 1: HP Sales Development, 1911 Pruneridge Ave., Cupertino, CA 95014 (408) 447 2320 Sales contact					Vendor 3= KVMS.com	
Vendor 2: Jamie Reding (425) 703-0510 jamiere@microsoft.com						

Numerical Quantities Summary for HP Integrity rx6600

MQTH, Computed Maximum Qualified Throughput

372140 tpmC

Response Times (in seconds)

	90th %-ile	Maximum	Average
New-Order	0.50s	5.28s	0.31s
Payment	0.47s	4.41s	0.28s
Order-Status	0.50s	5.28s	0.30s
Delivery (interactive portion)	0.11s	2.67s	0.11s
Delivery (deferred portion)	0.18s	4.24s	0.12s
Stock-Level	0.77s	3.47s	0.52s
Menu	0.11s	2.69s	0.11s

Response time delay added for emulated components 0.1 seconds

Transaction Mix, in percent of total transactions

New-Order	44.96%
Payment	43.02%
Delivery	4.01%
Stock-Level	4.01%
Order-Status	4.00%

Keying/Think Times

	Keying Time			Think Time		
	Min	Avg	Max	Min	Avg	Max
New-Order	18.00s	18.02s	18.63s	0.00s	12.06s	120.55s
Payment	3.00s	3.02s	3.63s	0.00s	12.07s	120.54s
Order-Status	3.00s	3.02s	3.58s	0.00s	10.07s	100.53s
Delivery (interactive)	3.00s	3.02s	3.61s	0.00s	5.07s	50.53s
Stock-Level	3.00s	3.02s	3.61s	0.00s	5.06s	50.53s

Test Duration

Ramp up time	25 minutes
Measurement interval	120 minutes
Transactions during measurement interval	103318188
Ramp down time	5 minutes

Checkpointing

Number of checkpoints in measurement interval	4
Checkpoint Interval	29.67 minutes