
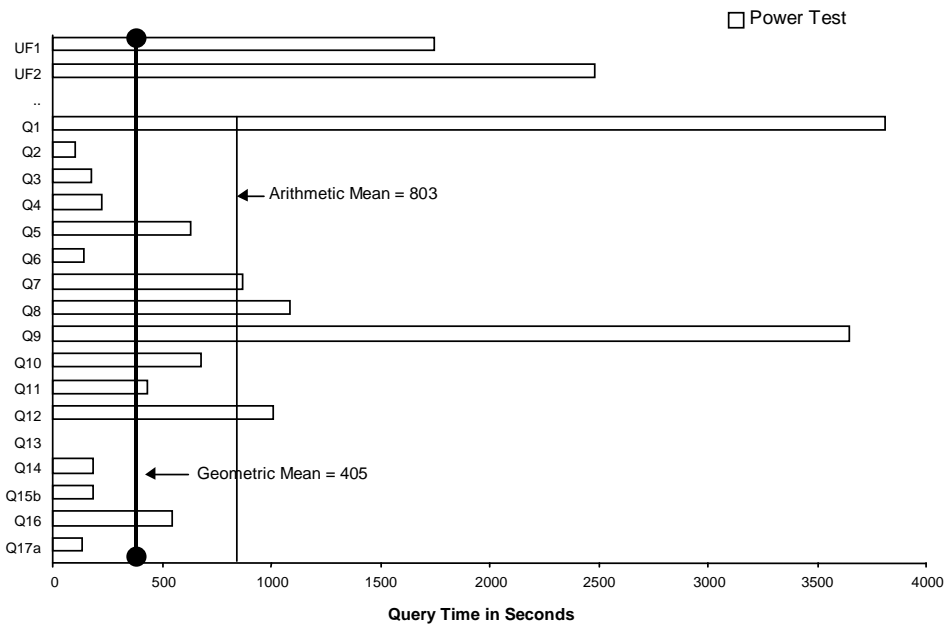


## Executive Summary

		<b>NUMA-Q 2000 using Informix OnLine XPS</b>		TPC-D™ 1.2.3	
				REPORT DATE: <b>July 3, 1997</b>	
TOTAL SYSTEM COST		TPC-D POWER		TPC-D THROUGHPUT	
<b>\$5,737,350</b>		<b>2,667.7</b> QppD@300GB		<b>1,028.1</b> QthD@300GB	
				PRICE/PERFORMANCE	
				<b>\$3,464</b> \$/QphD@300GB	
DATABASE SIZE		DATABASE MANAGER		OPERATING SYSTEM	
300GB		Informix-OnLine XPS, v 8.20. UA2		DYNIX/ptx 4.4	
				OTHER SOFTWARE	
				Sequent Volume Manager (SVM) 2.0	
				AVAILABILITY DATE	
				December 22, 1997 (see note next page)	
					
DATABASE LOAD TIME = 14 HOURS, 29 MINUTES, 35 SECONDS			DISK SIZE/DATABASE SIZE = 8.60		RAID: Y
SYSTEM CONFIGURATION					
<ul style="list-style-type: none"> <li>• 32 180Mhz Intel Pentium Pro Processors with 512k Cache</li> <li>• 16GB Memory</li> <li>• 406 x 4.5 GB Disk Drives</li> <li>• 96 x 9.1 GB Disk Drives</li> </ul>					



**NUMA-Q 2000  
running Informix-  
OnLine XPS**

**TPC-D™ 1.2.3**

**Report Date:  
July 3, 1997**

Description	Model Number	Qty	Unit Price	Extended Price
Enterprise NUMA-Q Cabinets	CABE-0000-00	10	13,000	130,000
NUMA-Q Console with ethernet	CON-0000	1	6,000	6,000
4 P6, 1GB VLM Quads with IQ Link and DYNIX/ptx license	QUAD-0011	8	210,000	1,680,000
8GB Memory Add-on Bundle	MEM-8000	1	445,382	445,382
4.5 GB Disks in 3.5" Pbay carrier	DSK-4000-33	407	1,457	593,000
9.1GB Disks in 3.5" Pbay carrier	DSK-9000-33	96	2,083	200,000
3.5" PBays with N+1 Redundant Power	EXP-PBAY-04	42	4833	203,000
Fibre Channel Bridges	FCB-1000-01	16	18,125	290,000
Fibre Channel PCI Host Adapters	IOC-0110-51	16	3,375	54,000
IQ Plus-IQ Link Interconnect Cables	CBL-PLUS-05	8	1,375	11,000
3M Terminated SCSI Cables, Bridge to wide SCSI device	CBL-0300-B3	80	150	12,000
20M, Multi Mode Fibre Channel Cables with duplex SC connector	CBL-2000-F1	16	125	2,000
Single port ether	COM-0041-50	1	400	400
PCI - SCSI Controller for VLM	IOC-0120-51	4	750	3,000
DYNIX/ptx V4.4 CD-ROM Media (NAO)	PTX-C440-00	1	-	-
Includes: ptx/TCP.IP, ptx/LAN, ptx/SYNC, ptx/Windows				-
Sequent Volume Manger for the Base Quad	SVM-4100-001	1	5,000	5,000
Sequent Volume Manger for additional Quads	SVM-4100-ADD	7	4,857	34,000
Informix OnLine Extended Parallel Server (XPS) User Licenses	IN8-XPS-DV	320	-	-
				<hr/> 3,668,782
<b>Customer Support</b>				
Five Year Sequent Customer Support for Enterprise Warehouse Platform				1,180,926
Five Year Informix Customer Support for Informix OnLine Extended Parallel Server (XPS)				<hr/> 887,642
Five Year Cost of Ownership				5,737,350

**Notes:**

- Hardware and Sequent Software is available immediately.
  - Informix-Online XPS 8.20.UA2 available December 22, 1997.
- 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 terms, please inform the TPC at [pricing@tpc.org](mailto:pricing@tpc.org).



## Numerical Quantities

TPC-D™ Rev. 1.2.3

Report Date:  
July 3, 1997

### Measurement Results:

Database Scaling (SF/Size)	=	300
Total Data Storage/Database Size	=	8.60
Database Load Time	=	14 Hrs, 29 M, 35 S
Query Streams for Throughput Test (S)	=	0
TPC-D Power Metric (QppD@300GB)	=	2,667.7
TPC-D Throughput Metric (QthD@300GB)	=	1,028.1
Total System Price Over five years	=	\$5,737,350.00
TPC-D Power Throughput Metric (\$/QphD@300GB)	=	\$3,464

### Measurement Intervals:

Measurement Interval in Throughput Test (Ts)	=	17,857.49 sec
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### Duration of Stream Execution:

Stream ID	Seed	Start Date	Start Time	End Date	End Time	Total Time
Stream 00	19061997	6/20/97	19:54:40	6/21/97	00:52:18	04:57:38
UF1		6/20/97	19:54:40	6/20/97	20:23:34	00:28:54
UF2		6/21/97	00:11:11	6/21/97	00:52:18	00:41:07

### TPC-D Timing Intervals (in seconds):

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
3799.21	86.59	159.75	214.71	618.9	130.8	854.35	1074.52	3636.1

Q10	Q11	Q12	Q13	Q14	Q15b	Q16	Q17a	UF1	UF2
666.03	421.26	996.25	5.16	168.62	168.28	536.51	120.74	1733.5	2466.21