



Huawei FusionServer for Big Data

TPCx-BB Rev. 1.2.0 TPC-Pricing Rev. 2.0.0

Report Date: February 16, 2017

Description	Part Number	Source	ι	Jnit Price	Qty		Extended Price	3 Y	ear Maint. Price
Server Hardware - Management Nodes									
RH2288H V3 (25HDD EXP Chassis)H22H-03	02310YJW	1	\$	1,706.60	2	\$	3,413.20		
Onboard Network card,2X10GE Port(82599)	02311EUU	1	\$	1,139.50	2	\$	2,279.00		
8056 Plus Fan module	02310YKP	1	\$	45.58	8	\$	364.64		
3*8X Riser Card Module	02310YKQ	1	\$	126.14	2	\$	252.28		
2*2.5" Rear Hard Disk Backplane Module	02311DUP	1	\$	62.54	2	\$	125.08		
750W platinum AC power supply unit	02310QWX	1	\$	295.74	4	\$	1,182.96	\$	2,168.00
Intel Xeon E5-2697A v4(with Heatsink)	02311NFD	1	\$	6,857.14	4	\$	27,428.56		
32GB,288pin,0.83ns,2400000KHz,1.2V,ECC,2Rank(2G*4bit)	6200214	1	\$	634.94	16	\$	10,159.04		
480GB,SATA 6Gb/s, Mixed Use, 2.5inch,VE Series	02311LTP	1	\$	1,260.34	2	\$	2,520.68		
LSI 3108 RAID CARD-Support SuperCap	02310YMF	1	\$	694.30	2	\$	1,388.60		
LSI Flash Card,8GB,TFM,Supercap and 620mm Cable Moudle	02311BNX	1	\$	386.90	2	\$	773.80		
Network Card, Gigabit, RJ45 Copper, 2 ports, PCIE 2.0 x4-8086-1521-2	6310070	1	\$	60.92	2	\$	121.84		
				SubTotal		\$	50,009.68	\$	2,168.00
Server Hardware - Worker Nodes								-	
RH2288H V3 (25HDD EXP Chassis)H22H-03	02310YJW	1	\$	1,706.60	14	\$	23,892.40		
Onboard Network card, 2X10GE Port (82599)	02311EUU	1	\$	1,139.50	14	\$	15,953.00		
8056 Plus Fan module	02310YKP	1	\$	45.58	56	\$	2,552.48		
3*8X Riser Card Module	02310YKQ	1	\$	126.14	14	\$	1,765.96		
2*2.5" Rear Hard Disk Backplane Module	02311DUP	1	\$	62.54	14	\$	875.56		
750W platinum AC power supply unit	02310QWX	1	\$	295.74	28	\$	8,280.72		
Intel Xeon E5-2697A v4(with Heatsink)	02311NFD	1	\$	6,857.14	28	\$	191,999.92	\$	15,176.00
32GB,288pin,0.83ns,2400000KHz,1.2V,ECC,2Rank(2G*4bit)	6200214	1	\$	634.94	112	\$	71,113.28		
480GB,SATA 6Gb/s,Mixed Use,2.5inch,VE Series	02311LTP	1	\$	1,260.34	14	\$	17,644.76		
900GB,SAS 12Gb/s,10000rpm,2.5inch	02311HAL	1	\$	592.54	224	\$	132,728.96		
SSD,800GB,SAS 12Gb/s,Write Intensive	02311HAG	1	\$	3,433.34	14	\$	48,066.76		
LSI 3108 RAID CARD-Support SuperCap	02310YMF	1	\$	694.30	14	\$	9,720.20		
LSI Flash Card,8GB,TFM,Supercap and 620mm Cable Moudle	02311BNX	1	\$	386.90	14	\$	5,416.60		
Network Card, Gigabit, RJ45 Copper, 2 ports, PCIE 2.0 x4-8086-1521-2	6310070	1	\$	60.92	14	\$	852.88		
				SubTotal		\$	530,863.48	\$	15,176.00
	(continued next page)			0001000		¥	000,000.10	Ψ	10, 17 0.00



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Description	Part Number			Unit Price	Qty		Extended Price	31	/ear Maint. Price
	(continued from previous pag	le)							
Network	00E 404 E		•	0 700 50		•			
Huawei S5700-28X-LI-AC Switch Huawei CE6810-48S-LI Switch	2354215	1	\$	2,730.56	1	\$	2,730.56		
	02350AQC	1	\$	8,776.80	1	\$	8,776.80	•	0 400 70
Optical Transceiver, SFP+, 10G, Multi-mode Module	2318169	1	\$	270.40	16	\$	4,326.40	\$	6,192.72
HUAWEI VTL6900 42U AC CABINET (RACK-42U-VTL)	2114327	1	\$	2,139.99	1	\$	2,139.99		
Patch cord-LC/PC-LC/PC-Multimode-A1b-2mm-10m-PVC-Orange	14130222	1	\$	14.40	20	\$	288.00		
				SubTotal		\$	18,261.75	\$	6,192.72
Monitor / Keyboard / Mouse (includes 2 spares each)									
Lenovo ThinkVision T2424p 23.8-inch FHD LED Backlit LCD Monitor	9SIAA0T56C4340	2	\$	198.19	3	\$	594.57		
Lenovo 73P2620 Black 104 Normal Keys USB Wired Standard Keyboard	9SIA1N82KJ2787	2	\$	40.79	3	\$	122.37		
lenovo 41U3074 Black 1 x Wheel USB Wired Laser 2000 dpi Mouse	N82E16826509009	2	\$	30.99	3	\$	92.97		
				SubTotal		\$	809.91	\$	-
Server Software									
Cloudera Ent Basic Ed 1yr 24x7	G7M 27A	1	\$	2,304.00	48	\$	110,592.00		Included
RHEL Svr 2 Sckt/2 Gst 3yr 24x7 E-LTU	G3J30AAE	1	\$	3,889.00	16	\$	62,224.00		Included
				SubTotal		\$	172,816.00	\$	-
				Total Extende	d Price		\$772,760.82	\$	23,536.72
				Total Dis	scounts	\$	389,437.69	\$	11,768.36
					Totals		\$383,323.13	\$	11,768.36
Pricing:1 = Huawei; 2 = newegg.com				Three-Ye	ar Co	st o	f Ownership		\$395,092
⁽¹⁾ All discounts are based on US list prices and for similar quantities are based on the overall specific components pricing from respective Discounts for similarly sized configurations will be similar to those of the components in the configuration.	vendors in this single quotat	tion.				BB	Q pm@1000		366.69
Audited by Doug Johnson of Inf	oSizing				\$	/BB	Q pm@1000		\$1,077.44
Prices used in TPC benchmarks reflect the actual components. Individually negotiated discounts are no purchases are not permitted. All discounts reflect star see the pricing sections of the TPC benchmark specific these terms, please in	ot permitted. Special pundard pricing policies f	rices bac for the t the st	aseo list tate	d on assum ed compor d prices ar	nptio nents	ns . F	about past for complet	or e d	future etails,



Report Date: February 16, 2017

Numerical Quantities	N 10
	Numerical Qu
Scale Factor 100	lactor
Streams	18
SUT Validation Status TRUI	'alidation Status
Performance Run	Performance
Overall Run Start Time 2016-12-13 07:20:27.08	ll Run Start Time
Overall Run End Time 2016-12-13 16:45:05.84	ll Run End Time
Overall Run Elapsed Time 33,878.76	ll Run Elapsed Time
Load Test Start Time 2016-12-13 07:20:27.08	fest Start Time
Load Test End Time 2016-12-13 07:32:58.42	fest End Time
Load Test Elapsed Time 751.34	
Power Test Start Time 2016-12-13 07:32:58.43	Test Start Time
Power Test End Time 2016-12-13 07:32:37:45	
Power Test Elapsed Time 10,828.94	
10,020.94	rest Elupsed r inte
Throughput Test Start Time 2016-12-13 10:33:27.37	ghput Test Start Time
Throughput Test End Time 2016-12-13 16:45:05.84	ghput Test End Time
Fhroughput Test Elapsed Time22,298.46	ghput Test Elapsed Time
Performance Metric (BBQpm@1000) 366.697853	mance Metric (BBQpm@1000)
Repeatability Run	Repeatability
Overall Run Start Time 2016-12-13 16:52:43.51	
Overall Run End Time 2016-12-14 02:09:07.37	ll Run End Time
Overall Run Elapsed Time 33,383.86	ll Run Elapsed Time
Load Test Start Time 2016-12-13 16:52:43.51	Γest Start Time
Load Test End Time 2016-12-13 17:05:22.50	
Load Test Elapsed Time 758.98	
Power Test Start Time 2016-12-13 17:05:22.50	Test Start Time
Power Test End Time 2016-12-13 20:01:27.46	
Power Test Elapsed Time 10,564.96	
10,507.70	- cor Employ I mit
Throughput Test Start Time 2016-12-13 20:01:27.47	ghput Test Start Time
Throughput Test End Time 2016-12-14 02:09:07.37	ghput Test End Time
Fhroughput Test Elapsed Time22,059.90	ghput Test Elapsed Time
Performance Metric (BBQpm@1000) 370.556168	mance Metric (BBQpm@1000)



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Run Report – Run 1

****** TPCx-BB Result v1.2 ***** INFO: T_LOAD = 751.344 INFO: T_LD = 0.1 * T_LOAD: 75.1344000000001 INFO: T_PT = 8381.956751650918 INFO: T_T_PUT = 22298.468 INFO: T TT = 2787.3085 INFO: === Checking validity of the final result === INFO: OK: All required BigBench phases were performed. INFO: OK: All 30 queries were running in the power test. INFO: OK: All 30 queries were running in the first throughput test. INFO: OK: Pretend mode was inactive. All commands were executed. INFO: === Final result === INFO: VALID BBQpm@1000 = 366.697853361945

Run Report – Run 2

***** **TPCx-BB** Result v1.2 ***** INFO: T_LOAD = 758.988 INFO: T_LD = 0.1 * T_LOAD: 75.8988000000001 INFO: T_PT = 8291.716624644496 INFO: T_T_PUT = 22059.909 INFO: T_TT = 2757.488625 INFO: === Checking validity of the final result === INFO: OK: All required BigBench phases were performed. INFO: OK: All 30 queries were running in the power test. INFO: OK: All 30 queries were running in the first throughput test. INFO: OK: Pretend mode was inactive. All commands were executed. INFO: === Final result === INFO: VALID BBQpm@1000 = 370.5561682041379

Summary details of the run reports are shown above. For the complete run reports, see the Support Files Archive.