



		<h1>PowerEdge C6615</h1>		TPCx-AI 1.0.3.1 TPC Pricing 2.8.0 Report Date Sep. 18, 2023
TPCx-AI Performance <b>506.30 AIUCpm@10</b>	Total System Cost <b>\$38,688 USD</b>	Price/Performance <b>\$76.42 USD/AIUCpm@10</b>	Availability Date <b>September 18, 2023</b>	
Framework Anaconda Pro	Operating System Red Hat Enterprise Linux 8.6 (Ootpa)	Other Software N/A	Scale Factor 10	Streams 100
<h3>Use Case Time (sec.) by Phase</h3> 				
Physical Storage / Scale Factor <b>192.00</b>	Scale Factor / Physical Memory <b>0.03</b>	Main Data Redundancy Model <b>RAID 1</b>		
Servers: Total Processors/Cores/Threads	1 1 / 32 / 64			
Server Type Processors Memory Storage Controller Storage Device Network Controller	1x PowerEdge C6615 (Server) 1x AMD EPYC 8324P 32-Core Processor 384 GiB 1x Dell BOSS-N1 2x 960 GB M.2 NVMe SSD 1x Broadcom NetXtreme BCM5720 Single Port 1 GbE			

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Description	Part Number	Source	List Price	Qty	Extended Price	1-Yr. Maintenance
<b>Hardware</b>						
Dell PowerEdge C6615 Server	210-BHYX	1	\$77,577.68	1	\$77,577.68	
2.5 Chassis	379-BDTF	1	\$0.00	1	\$0.00	
No Backplane	379-BDSY	1	\$0.00	1	\$0.00	
No Backplane	379-BDSV	1	\$0.00	1	\$0.00	
Trusted Platform Module 2.0 V3	461-AAIG	1	\$0.00	1	\$0.00	
PowerEdge C6600 - C6XXX Shipping	340-DCEG	1	\$0.00	1	\$0.00	
PowerEdge C6615, Diskless with No Backplane	379-BFGD	1	\$0.00	1	\$0.00	
AMD EPYC 8324P 2.35GHz, 32C/64T, 64M Cache (185W) DDR5-4800	338-CMJF	1	\$0.00	1	\$0.00	
PowerEdge C6615 CPU Heatsink	412-BBFV	1	\$0.00	1	\$0.00	
Performance Optimized	370-AHLL	1	\$0.00	1	\$0.00	
4800MT/s RDIMMs	370-AHCL	1	\$0.00	1	\$0.00	
64GB RDIMM, 4800MT/s Dual Rank	370-AGZR	1	\$0.00	6	\$0.00	
BOSS-N1 controller card + with 2 M.2 960GB (RAID 1)	403-BCSB	1	\$0.00	1	\$0.00	
Diskless Configuration (No RAID, No Controller)	780-BCDH	1	\$0.00	1	\$0.00	
No Controller	405-AACD	1	\$0.00	1	\$0.00	
No Hard Drive	565-BBBC	1	\$0.00	1	\$0.00	
Performance BIOS Settings	384-BBBL	1	\$0.00	1	\$0.00	
UEFI BIOS Boot Mode with GPT Partition	800-BBDM	1	\$0.00	1	\$0.00	
Dual, Hot-plug, Redundant Power Supply (1+1), 1800W	379-BFCW	1	\$0.00	1	\$0.00	
Redundant PSU Mode	384-BCIT	1	\$0.00	1	\$0.00	
PowerEdge C6615 Riser Config 2, Riser 1A+2C	406-BBTV	1	\$0.00	1	\$0.00	
PowerEdge C6615, Motherboard, WMX	321-BKCD	1	\$0.00	1	\$0.00	
RHEL, 1-2SKT, Physical Node, 3YR Premium Sub, 1 Virtual Guest, Digitally Fulfilled	528-CHFH	1	\$0.00	1	\$0.00	
No Media Required	605-BBFN	1	\$0.00	1	\$0.00	
iDRAC9, Enterprise 16G	528-CTIC	1	\$0.00	1	\$0.00	
iDRAC Service Module (ISM), NOT Installed	379-BCQX	1	\$0.00	1	\$0.00	
iDRAC Group Manager, Disabled	379-BCQY	1	\$0.00	1	\$0.00	
C6xxx/C6600 Complex Tied Order Ship	340-CZIS	1	\$0.00	1	\$0.00	
PowerEdge C65xx No CE	340-CQZE	1	\$0.00	1	\$0.00	
Broadcom 5720 Single Port 1GbE BASE-T Adapter, OCP NIC 3.0	540-BDRK	1	\$0.00	1	\$0.00	
Basic Next Business Day 12 Months	709-BBFC	1	\$100.00	1		\$100.00
ProSupport Plus and 4Hr Mission Critical Initial, 12 Month(s)	865-BBKW	1	\$2,798.29	1		\$2,798.29
Dell 24 Monitor –S2421HN	210-AXHJ	1	\$158.49	1	\$158.49	
Dell Wireless Keyboard and Mouse - KM3322W	580-AKCW	1	\$29.99	1	\$29.99	
			<b>Subtotal</b>		\$77,766.16	\$2,898.29
<b>Software</b>						
Anaconda Pro 1 Subscription (1-Year)		2	\$10,000.00	1	\$10,000.00	
Red Hat Enterprise Linux Server, Premium 24/7 (Physical or Virtual Nodes)		1	\$1,299.00	1	\$1,299.00	
			<b>Subtotal</b>		\$11,299.00	\$0.00
			<b>Total</b>		\$89,065.16	\$2,898.29
Large Purchase Discount (65%)*					-\$51,392.35	-\$1,883.89
Pricing: 1 = Dell; 2 = Anaconda * Discount applies to all line items where Key = 1. Discount based upon total system cost as purchased by a regular customer.				<b>Total System Cost (USD): \$38,688</b> <b>AIUCpm@10: 506.30</b> <b>\$/AIUCpm@10: \$76.42</b>		
<b>Audited by Doug Johnson, InfoSizing</b>						
<i>Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated Line Items. 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 Line Items. For complete details, see the pricing section of the TPC Benchmark Standard. If you find that the stated prices are not available according to these terms, please inform the TPC at <a href="mailto:pricing@tpc.org">pricing@tpc.org</a>. Thank you.</i>						

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<u>Numerical Quantities</u>				
<b>AIUCpm@10</b>	<b>506.30</b>	$T_{Load}$	3.23	
Scale Factor	10	$T_{LD}$	3.23	
Streams	100	$T_{PTT}$	181.16	
Kit Version	1.0.3.1	$T_{PST1}$	15.98	
Execution Status	Pass	$T_{PST2}$	16.03	
Accuracy Status	Pass	$T_{PST}$	16.03	
		$T_{TT}$	2.10	
Test Times				
Overall Run Start Time	2023-09-07 08:25:43.099			
Overall Run End Time	2023-09-07 11:30:52.416			
Overall Run Elapsed Time	11,109.317			
Load Test Start Time	2023-09-07 08:28:22.567			
Load Test End Time	2023-09-07 08:28:25.818			
Load Test Elapsed Time	3.251			
Power Training Start Time	2023-09-07 08:28:25.819			
Power Training End Time	2023-09-07 10:31:13.971			
Power Training Elapsed Time	7,368.152			
Power Serving 1 Start Time	2023-09-07 10:31:13.972			
Power Serving 1 End Time	2023-09-07 10:41:45.351			
Power Serving 1 Elapsed Time	631.379			
Power Serving 2 Start Time	2023-09-07 10:41:45.352			
Power Serving 2 End Time	2023-09-07 10:52:16.551			
Power Serving 2 Elapsed Time	631.199			
Scoring Start Time	2023-09-07 10:53:08.853			
Scoring End Time	2023-09-07 10:55:46.128			
Scoring Elapsed Time	157.275			
Throughput Start Time	2023-09-07 10:55:46.150			
Throughput End Time	2023-09-07 11:30:52.413			
Throughput Elapsed Time	2,106.263			



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## Numerical Quantities (continued)

### Use Case Times & Accuracy

Use Case	Training (sec)	Serving 1 (sec)	Serving 2 (sec)	Throughput (avg)	Accuracy
UC01	155.795	13.893	13.936	45.576	0.000
UC02	822.398	11.784	11.683	50.689	0.480
UC03	175.030	8.033	7.966	27.215	3.609
UC04	115.182	15.200	15.097	54.459	0.707
UC05	236.443	6.407	6.339	33.775	0.079
UC06	11.806	1.658	1.661	7.351	0.505
UC07	15.674	5.588	5.948	17.668	1.033
UC08	5,289.639	445.800	445.574	1,395.636	0.735
UC09	377.226	102.986	103.045	329.613	1.000
UC10	168.860	19.940	19.856	73.288	0.816

Use Case Serving Times (sec.)

