




		<h1>PowerEdge R6715</h1>		TPCx-AI 2.0.0 TPC Pricing 2.9.0 Report Date Oct. 10, 2024																																																							
TPCx-AI Performance 720.11 AIUCpm@3	Total System Cost \$101,811 USD	Price/Performance \$141.39 USD/AIUCpm@3	Availability Date November 9, 2024																																																								
Framework Anaconda Business	Operating System Red Hat Enterprise Linux 8.10 (Ootpa)	Other Software N/A	Scale Factor 3	Streams 100																																																							
<h3>Use Case Time (sec.) by Phase</h3>  <table border="1"> <caption>Approximate Use Case Time (sec.) by Phase</caption> <thead> <tr> <th>Phase</th> <th>Training (sec)</th> <th>Serving 1 (sec)</th> <th>Serving 2 (sec)</th> <th>Throughput (Avg) (sec)</th> </tr> </thead> <tbody> <tr><td>1</td><td>10</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>2</td><td>380</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>3</td><td>10</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>4</td><td>10</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>5</td><td>10</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>7</td><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>8</td><td>900</td><td>50</td><td>50</td><td>100</td></tr> <tr><td>9</td><td>10</td><td>10</td><td>10</td><td>10</td></tr> <tr><td>10</td><td>10</td><td>5</td><td>5</td><td>5</td></tr> </tbody> </table>					Phase	Training (sec)	Serving 1 (sec)	Serving 2 (sec)	Throughput (Avg) (sec)	1	10	5	5	5	2	380	5	5	5	3	10	5	5	5	4	10	5	5	5	5	10	5	5	5	6	5	5	5	5	7	5	5	5	5	8	900	50	50	100	9	10	10	10	10	10	10	5	5	5
Phase	Training (sec)	Serving 1 (sec)	Serving 2 (sec)	Throughput (Avg) (sec)																																																							
1	10	5	5	5																																																							
2	380	5	5	5																																																							
3	10	5	5	5																																																							
4	10	5	5	5																																																							
5	10	5	5	5																																																							
6	5	5	5	5																																																							
7	5	5	5	5																																																							
8	900	50	50	100																																																							
9	10	10	10	10																																																							
10	10	5	5	5																																																							
Physical Storage / Scale Factor 320.00	Scale Factor / Physical Memory 0.02	Main Data Redundancy Model RAID-1																																																									
Servers: Total Processors/Cores/Threads	1 1 / 32 / 64																																																										
Server Type Processors Memory Storage Controller Storage Device Network Controller	1x PowerEdge R6715 (Server) 1x AMD EPYC 9355P 32-Core Processor 192 GiB 1x BOSS-N1 2x 480 GB M.2 NVMe 1x Broadcom 57504 Quad Port 10/25GbE																																																										

		<h1>PowerEdge R6715</h1>			TPCx-AI 2.0.0 TPC Pricing 2.9.0 Report Date Oct. 10, 2024	
Description	Part Number	Source	List Price	Qty	Extended Price	1-Yr. Maintenance
Hardware						
PowerEdge R6715 Server	210-BNRK		1 \$40,463.00	1	\$40,463.00	
High Performance Computing Cluster Information SKU	463-7922		1 0	1		
No Backplane	379-BDSY		1 0	1		
No Backplane	379-BDSV		1 0	1		
No Rear Storage	379-BDTE		1 0	1		
Trusted Platform Module 2.0 V3	461-AAIG		1 0	1		
No HD, No Backplane	321-BIFS		1 0	1		
AMD EPYC 9355P 3.40GHz, 32C/64T, 256 Cache (280W) DDR5-6000	338-CRCD		1 0	1		
High Performance Heatsink	412-BBGB		1 0	1		
Performance Optimized	370-AHLL		1 0	1		
6400MT/s RDIMMs	370-BBRX		1 0	1		
16GB RDIMM, 6400MT/s, Single Rank	370-BCGH		1 0	12		
Diskless Configuration (No RAID, No Controller)	780-BCDH		1 0	1		
No Controller	405-AACD		1 0	1		
No Hard Drive	400-ABHL		1 0	1		
Performance BIOS Settings	384-BBBL		1 0	1		
UEFI BIOS Boot Mode with GPTPartition	800-BBDM		1 0	1		
No Energy Star	387-BBEY		1 0	1		
4 Very High Performance Fan for 1 CPU	384-BDHS		1 0	1		
Dual, Redundant (1+1),Hot-Plug MHS Power Supply, 1500W MM, Titanium	450-BCXC		1 0	2		
C13 to C14, PDU Style, 12 AMP, 6.5 Feet (2m) Power Cord, North America	492-BBDI		1 0	1		
Riser Config 5, 2 x16 LP Slots (Gen5), 2nd OCP	330-BCWQ		1 0	1		
PowerEdge R6715 Motherboard	329-BKPB		1 0	1		
Broadcom 57504 Quad Port 10/25GbE,SFP28, OCP NIC 3.0	540-BCRX		1 0	1		
Broadcom 5720 Dual Port 1GbELOM	540-BDKD		1 0	1		
No Bezel for x8 /x10 Chassis, R6715	325-BETT		1 0	1		
BOSS-N1 controller card + with 2 M.2 480GB (RAID 1) (22x80)	403-BDMM		1 0	1		
No Operating System, No Utility Partition, BOSS	611-BBBX		1 0	1		
No Media Required	605-BBFN		1 0	1		
Secured Component Verification	528-COYT		1 0	1		
iDRAC10, Enterprise 17G	634-CSHV		1 0	1		
No Quick Sync	350-BBXM		1 0	1		
iDRAC,Legacy Password	379-BCSQ		1 0	1		
iDRAC Service Module (ISM), NOT Installed	379-BCQX		1 0	1		
ReadyRails Sliding Rails Without Cable Management Arm or Strain Relief Bar	770-BECD		1 0	1		
No Systems Documentation, NoOpenManage DVD Kit	631-AACK		1 0	1		
PowerEdge R6715 Shipping	340-DCYK		1 0	1		
Shipping Material for No backplane chassis	340-DCYG		1 0	1		
PowerEdge R6715 No CCC or CEMarking	470-AFOI		1 0	1		
iDRAC Group Manager, Disabled	379-BCQY		1 0	1		
None Required	817-BBBP		1 0	1		
Dell Hardware Limited Warranty Plus On-Site Service	886-9770		1 \$249.00	1		\$249.00
3Yr ProSupport and 4hr Mission Critical - 3Years	199-BONO		1 \$2,931.26	1		\$2,931.26
Thank you choosing Dell ProSupport. For tech support, visit //www.dell.com/support or call 1-800- 945-3355	989-3439		1 0	1		
Dell 24 Monitor – S2425H	210-BMGX		1 \$99.99	1	\$99.99	
Keyboard/Mouse (Included with Server)	N/A		1 0	1		
				Subtotal	\$40,562.99	\$3,180.26
(continued on the next page)						

	<h1>PowerEdge R6715</h1>		TPCx-AI	2.0.0		
			TPC Pricing	2.9.0		
			Report Date	Oct. 10, 2024		
(continued from the previous page)						
Description	Part Number	Source	List Price	Qty	Extended Price	1-Yr. Maintenance
Software						
Anaconda Business, 85 users	N/A	2	\$51,000.00	1	\$51,000.00	
Anaconda Business Premium Support, including 24x7 support	N/A	2	\$35,000.00	1		\$35,000.00
Red Hat Enterprise Linux, 2SKT, 1 Physical OR 2Guest, 1Yr PREMIUM SUB, No Media, CUS	528-BHPJ	1	\$1,428.90	1	\$1,428.90	
				Subtotal	\$52,428.90	\$35,000.00
				Total	\$92,991.89	\$39,225.70
Large Purchase Discount (65%)*					-\$27,294.73	-\$2,746.71
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. Audited by Doug Johnson, InfoSizing			Total System Cost (USD): \$101,811 AIUCpm@3: 720.11 \$/AIUCpm@3: \$141.39			
<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 pricing@tpc.org. Thank you.</i>						

	<h1>PowerEdge R6715</h1>		TPCx-AI	2.0.0
			TPC Pricing	2.9.0
			Report Date	Oct. 10, 2024
<u>Numerical Quantities</u>				
AIUCpm@3	720.11	T_{Load}	0.69	
Scale Factor	3	T_{LD}	0.69	
Streams	100	T_{PTT}	32.22	
Kit Version	2.0.0	T_{PST1}	4.25	
Execution Status	Pass	T_{PST2}	4.25	
Accuracy Status	Pass	T_{PST}	4.25	
		T_{TT}	0.42	
Test Times				
Overall Run Start Time	2024-09-24 19:05:41.560			
Overall Run End Time	2024-09-24 19:44:57.847			
Overall Run Elapsed Time	2,356.287			
Load Test Start Time	2024-09-24 19:06:56.439			
Load Test End Time	2024-09-24 19:06:57.142			
Load Test Elapsed Time	0.703			
Power Training Start Time	2024-09-24 19:06:57.143			
Power Training End Time	2024-09-24 19:31:46.064			
Power Training Elapsed Time	1,488.921			
Power Serving 1 Start Time	2024-09-24 19:31:46.066			
Power Serving 1 End Time	2024-09-24 19:33:50.140			
Power Serving 1 Elapsed Time	124.074			
Power Serving 2 Start Time	2024-09-24 19:33:50.141			
Power Serving 2 End Time	2024-09-24 19:35:53.271			
Power Serving 2 Elapsed Time	123.130			
Scoring Start Time	2024-09-24 19:36:25.897			
Scoring End Time	2024-09-24 19:37:59.290			
Scoring Elapsed Time	93.393			
Throughput Start Time	2024-09-24 19:37:59.303			
Throughput End Time	2024-09-24 19:44:57.843			
Throughput Elapsed Time	418.540			



PowerEdge R6715

TPCx-AI 2.0.0
 TPC Pricing 2.9.0
 Report Date Oct. 10, 2024

Numerical Quantities (continued)

Use Case Times & Accuracy

Use Case	Training (sec)	Serving 1 (sec)	Serving 2 (sec)	Throughput (avg)	Accuracy
UC01	24.168	2.379	2.376	7.381	0.000
UC02	377.655	5.929	5.944	22.477	0.482
UC03	29.743	2.798	2.815	10.142	3.507
UC04	27.267	4.333	4.347	15.309	0.700
UC05	43.637	2.513	2.501	12.571	0.435
UC06	1.063	0.516	0.516	3.258	0.493
UC07	3.066	1.256	1.260	4.316	0.953
UC08	910.996	76.263	75.305	219.047	0.751
UC09	39.185	24.276	24.251	88.003	1.000
UC10	32.064	3.724	3.732	12.684	0.816

Use Case Serving Times (sec.)

