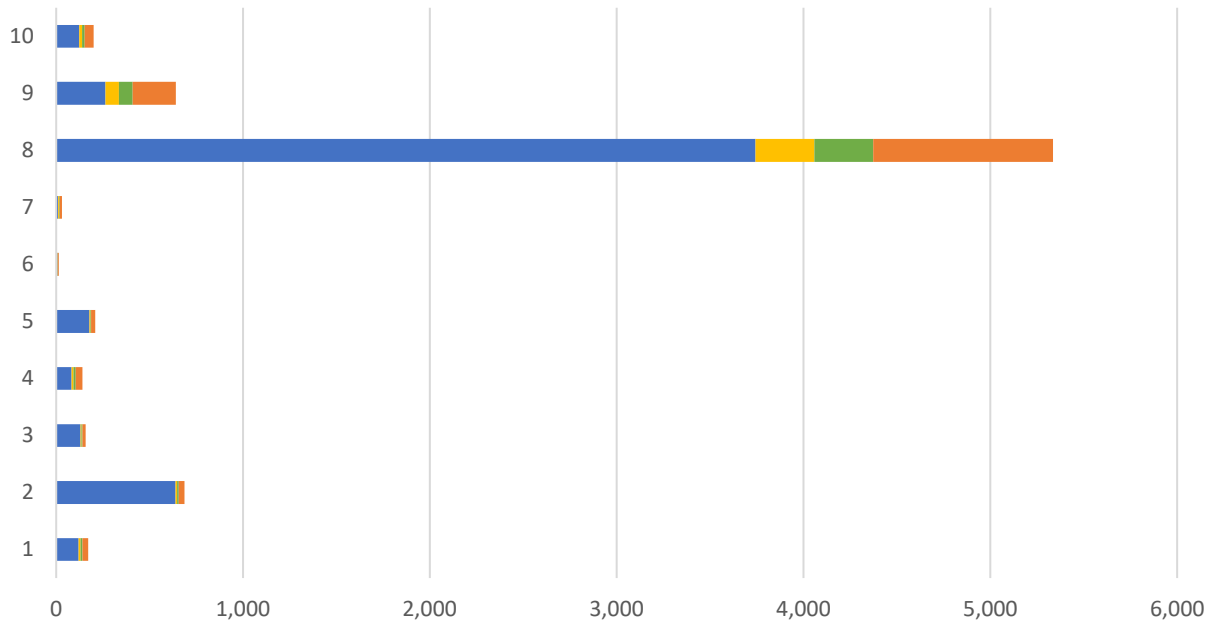


	<h1>PowerEdge R7615</h1>		TPCx-AI 1.0.3.1 TPC Pricing 2.8.0 Report Date Sep. 18, 2023	
TPCx-AI Performance 697.10 AIUCpm@10	Total System Cost \$41,153 USD	Price/Performance \$59.04 USD/AIUCpm@10	Availability Date September 18, 2023	
Framework Anaconda Pro	Operating System Red Hat Enterprise Linux 8.6 (Ootpa)	Other Software N/A	Scale Factor 10	Streams 100
<div style="display: flex; justify-content: space-between;"> <div data-bbox="235 657 688 695"> <h3>Use Case Time (sec.) by Phase</h3> </div> <div data-bbox="850 663 1445 695"> ■ Training ■ Serving 1 ■ Serving 2 ■ Throughput (Avg) </div> </div> 				
Physical Storage / Scale Factor 96.00	Scale Factor / Physical Memory 0.01	Main Data Redundancy Model RAID 1		
Servers: Total Processors/Cores/Threads	1 1 / 32 / 64			
Server Type	1x PowerEdge R7615 (Server)			
Processors	1x AMD EPYC 9374F 32-Core Processor			
Memory	768 GiB			
Storage Controller	1x Dell BOSS-N1			
Storage Device	2x 480 GB M.2 NVMe SSD			
Network Controller	1x Broadcom NetXtreme BCM5720 Dual Port 1GbE			

		<h1>PowerEdge R7615</h1>			TPCx-AI	1.0.3.1
					TPC Pricing	2.8.0
					Report Date	Sep. 18, 2023
Description	Part Number	Source	List Price	Qty	Extended Price	1-Yr. Maintenance
Hardware						
PowerEdge R7615 Server	210-BFVW	1	\$77,904.39	1	\$77,904.39	
2.5 Chassis	379-BDTF	1	\$0.00	1	\$0.00	
NVMe Backplane	379-BDSX	1	\$0.00	1	\$0.00	
No Rear Storage	379-BDTE	1	\$0.00	1	\$0.00	
No GPU Enablement	379-BDSR	1	\$0.00	1	\$0.00	
Trusted Platform Module 2.0 V3	461-AAIG	1	\$0.00	1	\$0.00	
2.5" Chassis with up to 16 NVMe HWRAID Drives, Dual Controller, Smart Flow, Front PERC 11	321-BIEQ	1	\$0.00	1	\$0.00	
AMD EPYC 9374F 3.85GHz, 32C/64T, 256M Cache (320W) DDR5-4800	338-CGXD	1	\$0.00	1	\$0.00	
High Performance Heatsink	412-BBFX	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	12	\$0.00	
C46, No RAID + No RAID, dual PERC	780-BCIK	1	\$0.00	1	\$0.00	
PERC H755N Front	405-AAZE	1	\$0.00	2	\$0.00	
Front PERC Mechanical Parts, rear load	750-ADWP	1	\$0.00	2	\$0.00	
No Hard Drive	400-ABHL	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	
High Performance Fan x6	750-ADRE	1	\$0.00	1	\$0.00	
Dual, Hot-Plug, Power Supply Redundant (1+1), 1400W, Mixed Mode	450-AJHG	1	\$0.00	1	\$0.00	
Jumper Cord - C13/C14, 4M, 250V, 12A (North America, Guam, North Marianas, Philippines, Samoa)	492-BBDG	1	\$0.00	2	\$0.00	
Riser Config 2, 6 x8 FH + 2 x8 LP	330-BCCR	1	\$0.00	1	\$0.00	
PowerEdge R7615 Motherboard V2	329-BJSD	1	\$0.00	1	\$0.00	
No OCP 3.0 mezzanine NIC card	412-AASK	1	\$0.00	1	\$0.00	
PCIe Blank Filler, Low Profile	414-BBJB	1	\$0.00	2	\$0.00	
Broadcom 5720 Dual Port 1GbE Optional LOM	540-BDKD	1	\$0.00	1	\$0.00	
No Cables Required	470-AEYU	1	\$0.00	1	\$0.00	
PowerEdge 2U Standard Bezel	325-BEIJ	1	\$0.00	1	\$0.00	
BOSS-N1 controller card + with 2 M.2 480GB (RAID 1)	403-BCRU	1	\$0.00	1	\$0.00	
BOSS Cables and Bracket for R7615 (Riser1)	470-AFMY	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	
Secured Component Verification	528-COYT	1	\$0.00	1	\$0.00	
No Quick Sync	350-BBYX	1	\$0.00	1	\$0.00	
iDRAC, Factory Generated Password	379-BCSF	1	\$0.00	1	\$0.00	
iDRAC Group Manager, Disabled	379-BCQY	1	\$0.00	1	\$0.00	
No Rack Rails	770-BBBS	1	\$0.00	1	\$0.00	
No Systems Documentation, No OpenManage DVD Kit	631-AAACK	1	\$0.00	1	\$0.00	
PowerEdge R7615 Shipping	340-DHNL	1	\$0.00	1	\$0.00	
PowerEdge R7615 Shipping Material	340-DCZQ	1	\$0.00	1	\$0.00	
PowerEdge R7615 No CE or CCC Marking	470-AFOQ	1	\$0.00	1	\$0.00	
Basic Next Business Day 36 Months	709-BBFM	1	\$249.00	1		\$249.00
ProSupport and 4Hr Mission Critical Initial, 36 Month(s)	865-BBNB	1	\$9,365.59	1		\$9,365.59
Dell Wireless Keyboard and Mouse - KM3322W	580-AKCW	1	\$29.99	1	\$29.99	
Dell 24 Monitor - S2421HN	210-AXHJ	1	\$158.49	1	\$158.49	
			Subtotal		\$78,092.87	\$9,614.59
Software						
Anaconda Pro Subscription - 1 year with Premium Support		2	\$10,000.00	1	\$10,000.00	
RHEL, 1-2SKT, Physical Node, 1YR Premium Sub, 1 Virtual Guest, Digitally Fulfilled	528-CHFJ	1	\$1,299.00	1	\$1,299.00	
			Subtotal		\$11,299.00	\$0.00
			Total		\$89,391.87	\$9,614.59
Large Purchase Discount (65%)*					-\$51,604.72	-\$6,249.48

Pricing: 1 = Dell; 2 = Anaconda	Total System Cost (USD):	\$41,153
* Discount applies to all line items where Key = 1. Discount based upon total system cost as purchased by a regular customer.	AIUCpm@10:	697.10
Audited by Doug Johnson, InfoSizing	\$/AIUCpm@10:	\$59.04

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.

	<h1>PowerEdge R7615</h1>		TPCx-AI	1.0.3.1
			TPC Pricing	2.8.0
			Report Date	Sep. 18, 2023
<u>Numerical Quantities</u>				
AIUCpm@10	697.10	T_{Load}	2.56	
Scale Factor	10	T_{LD}	2.56	
Streams	100	T_{PTT}	131.70	
Kit Version	1.0.3.1	T_{PST1}	11.32	
Execution Status	Pass	T_{PST2}	11.33	
Accuracy Status	Pass	T_{PST}	11.33	
		T_{TT}	1.44	
Test Times				
Overall Run Start Time	2023-09-12 07:04:28.127			
Overall Run End Time	2023-09-12 09:16:11.547			
Overall Run Elapsed Time	7,903.420			
Load Test Start Time	2023-09-12 07:06:23.286			
Load Test End Time	2023-09-12 07:06:25.860			
Load Test Elapsed Time	2.574			
Power Training Start Time	2023-09-12 07:06:25.861			
Power Training End Time	2023-09-12 08:34:48.993			
Power Training Elapsed Time	5,303.132			
Power Serving 1 Start Time	2023-09-12 08:34:48.997			
Power Serving 1 End Time	2023-09-12 08:42:15.758			
Power Serving 1 Elapsed Time	446.761			
Power Serving 2 Start Time	2023-09-12 08:42:15.759			
Power Serving 2 End Time	2023-09-12 08:49:43.198			
Power Serving 2 Elapsed Time	447.439			
Scoring Start Time	2023-09-12 08:50:19.823			
Scoring End Time	2023-09-12 08:52:10.798			
Scoring Elapsed Time	110.975			
Throughput Start Time	2023-09-12 08:52:10.814			
Throughput End Time	2023-09-12 09:16:11.544			
Throughput Elapsed Time	1,440.730			



PowerEdge R7615

TPCx-AI 1.0.3.1
 TPC Pricing 2.8.0
 Report Date Sep. 18, 2023

Numerical Quantities (continued)

Use Case Times & Accuracy

Use Case	Training (sec)	Serving 1 (sec)	Serving 2 (sec)	Throughput (avg)	Accuracy
UC01	120.590	10.476	10.466	30.971	0.000
UC02	639.942	8.155	8.129	30.639	0.453
UC03	129.945	5.622	5.571	16.835	3.609
UC04	82.820	10.904	10.930	36.570	0.707
UC05	178.793	4.483	4.625	21.467	0.077
UC06	7.535	1.071	1.068	5.118	0.448
UC07	11.418	4.129	4.099	12.105	1.035
UC08	3,743.552	314.895	315.653	961.812	0.735
UC09	264.238	72.412	72.220	231.207	1.000
UC10	124.225	14.541	14.600	47.899	0.816

Use Case Serving Times (sec.)

