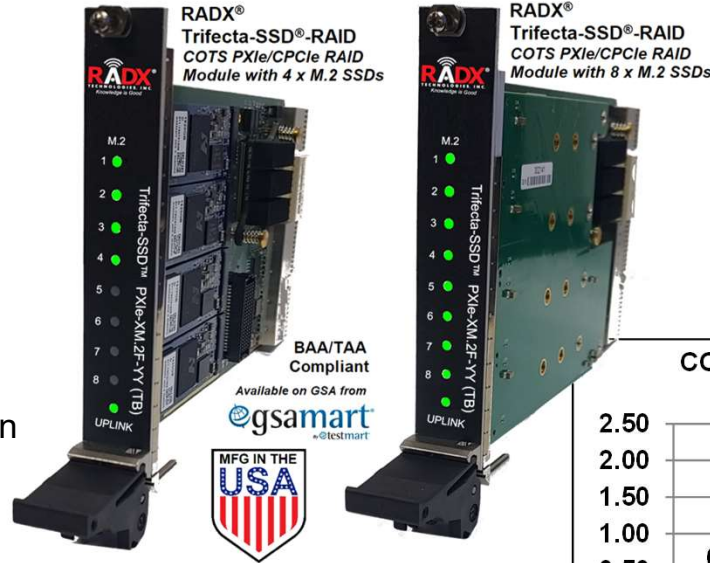


# RADX® Trifecta-SSD™ -RAID PXIe Data Storage Modules

**RADX Trifecta-SSD-RAID Set New Standards for Performance, Capacity and Value: COTS, Single-Slot, PXIe/CPCIe NVMe SSD RAID Modules with up to 64 TB per Slot, ~7 GB/Sec Sustained, Sequential Write/Read Performance and Pricing that Delivers Unprecedented Value**

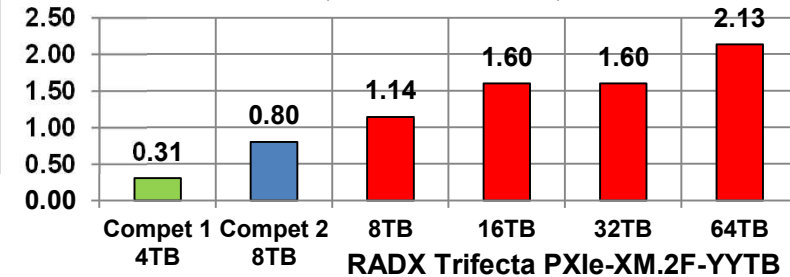
## Standard Models with 8, 16, 24, 32 or 64 TB/Slot



## COTS Single-Slot, PXIe/CPCIe SSD RAID Module Available Capacities

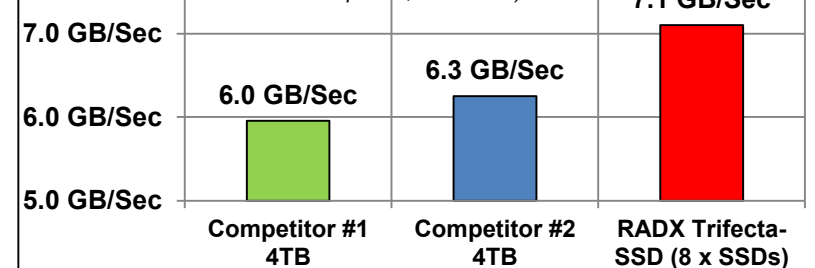
	Competitor #1	Competitor #2	RADX Trifecta-SSD
4TB	X	X	X
8TB	N/A	X	X
16TB	N/A	X	X
24TB	N/A	N/A	X
32TB	N/A	N/A	X
64TB	N/A	N/A	X

## COTS Single Slot PXIe SSD RAID Module Value TB/\$k (Based on Q223 MSRPs)



## COTS PXIe SSD RAID Module Benchmarked Sustained, Sequential Write Performance

(Benchmarked by RADX on 09JUL21, NI PXIe-1092, NI PXIe-8881 with 48 GB DDR4, Windows 10 64-bit Pro, CDM V8.0.1, 8GB File, 2MB Block Size, Queue Depth = 8, 2 Threads)



- Optimized for Wideband, High-Speed, Spectrum and Video Recording, Playback, and Data Intensive PXIe and CPCIe Applications

- Models: 8, 16, 24, 32 & 64 TB per Slot (Special Configs Available Upon Request)

- PCIe Gen 3 x8 I/F with Industry Leading Sustained, Sequential Read & Write Perf: ~7 GB/Sec

- Unique 6 & 8 x SSD Configs Eliminate “Hiccups” caused by Write Cache Saturation in Modules with only 4 x SSDs

- Cost Effective: ~2x to ~4x Better TB/\$k Value Versus Competitive Products

- Based on COTS, High-Endurance M.2 NVMe SSDs with Sanitization & OPAL Features from Samsung, Adata & Sabrent

- OS Support: MS Windows 10, 11 (and 7) 64-bit and Popular Linux 64-bit Distributions with available RADX Configurator for Ubuntu and Zorin (by request)

- Support for JBOF and Software RAID 0, 1 and 10 Configurations

- 1 Year RTF Warranty Standard. Available Extended Warranty and Factory Technology Insertion Options with Current or Next Gen SSDs

- Designed to Meet Key Reg / Environmental Requirements: FCC Class A, CE, RoHS, EN55022-A, EN55024, EN300386-2 & MIL-PRF-28800F-Class 3

- Long Life Cycle Support; Mfg. in the USA / BAA and TAA Compliant

- Available on GSA from TestMart: See <https://tinyurl.com/muk72crx>.



Email [info@radxtech.com](mailto:info@radxtech.com), Visit [www.radxtech.com](http://www.radxtech.com)  
or Call +1 (619) 677-1849 x1

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Available on GSA via  
**gsamart**  
by testmart  
<https://tinyurl.com/muk72crx>



# RADX® Trifecta-SSD™ -RAID COTS M.2 NVMe RAID PXIe/CPCIe Module Specs

(Subject to Change without Notice)

#	PARAMETER	Trifecta-SSD-RAID COTS, Single-Slot, NVMe M.2 SSD RAID PXIe/CPCIe Modules				
1	Trifecta-SSD-RAID Model / Part Number (Ordering Info):	<b>PXIe-SSD-4M.2F-8TB</b>	<b>PXIe-SSD-8M.2F-16TB</b>	<b>PXIe-SSD-6M.2F-24TB</b>	<b>PXIe-SSD-8M.2F-32TB</b>	<b>PXIe-SSD-8M.2F-64TB</b>
2	Q223 QTY 1 MSRP: (FOB RADX; Includes Shipping for GSA Purchasers; Reseller, Integrator and Volume Discounts Available)	<b>\$6,999 / \$7,999</b>	<b>\$9,999 / \$10,999</b>	<b>\$14,999</b>	<b>\$19,999</b>	<b>\$29,999</b>
3	Typical Lead Time:	~30 Days ARO for Small Volumes; 8 – 16 Weeks ARO for Volume Orders				
4	Unformatted Capacity & No. of M.2 SSDs Employed: (Other Capacities Available – Contact RADX for Details)	<b>8 TB</b> (4 x 2TB M.2)	<b>16 TB</b> (8 x 2TB M.2)	<b>24 TB</b> (6 x 4TB M.2)	<b>32 TB</b> (8 x 4TB M.2)	<b>64 TB</b> (8 x 8TB M.2)
5	M.2 2280 NVMe SSDs Employed: (See URLs for M.2 SSD Mfg. Specs & Features incl. OPAL & Sanitization; All M.2 SSDs Employ TLC NAND Flash)	Samsung EVO Plus 970 <a href="https://bit.ly/2MIZf50">https://bit.ly/2MIZf50</a> or Adata IM2P33E8-002TDT <a href="https://bit.ly/2VMTJfC">https://bit.ly/2VMTJfC</a>		Sabrent SB-ROCKET-4TB <a href="https://bit.ly/2VPRJ6m">https://bit.ly/2VPRJ6m</a>		Sabrent SB-RKT4P-8TB <a href="https://bit.ly/3B7Htv5">https://bit.ly/3B7Htv5</a>
6	Sustained Sequential Write / Read Benchmark Performance in RAID-0 Configuration:	Up to 6.5 GB/Sec (Write / Read)		Up to 7.1 GB/Sec (Write / Read)		
7	Module Total Bytes Written / Endurance (PB):	<b>4.8 to 5.2 PB</b>	9.6 to 10.4 PB	36.4 PB	54.4 PB	44.8 PB
8	Module Form Factor:	Single Slot, 3U PXIe Hybrid / 3U CPCIe Type 2 (Non-Hybrid PXIe Options Available)				
9	Product Dimensions (Excluding Packaging):	0.4 kg (0.8 lbs) / 100 mm H x 160 mm D x 20.32 mm W (4HP) (3.94 in H x 6.3 in D x 0.8 in W [4HP])				
10	PCIe Express Switch:	PLX 8748 48-Lane PCIe 3.0 Switch				
11	Backplane Interface:	PCIe Gen 3 x8 (~8 GB/Sec Max)				
12	RAID Configurations Supported:	JBOF and Software RAID-0, 1, 5 and 10 (Note: Multiple Trifecta-SSD PXIe Modules May Also Be Combined Using Software RAID-0, 1, 5 and 10)				
13	Operating System Support:	Microsoft Windows 10, 11 64-bit and Windows 7 64-bit and Popular Linux Distributions				
14	Front Panel Uplink & M.2 Status LEDs:	1 x Uplink; 4, 6 or 8 x M.2 Status (Indicates Uplink and M.2 PCIe Link Gen 1, 2 or 3 Status)				
15	Backplane Connectors:	XJ3, XJ4 and J1 (Optional 4, 8, 16 or 32 TB Model With Only XJ3, XJ4 [No J1] Available as Special Order)				
16	Operating Power Consumption:	<b>&lt; 30 W Typical</b>	< 58 W Typical (NI PXIe-1095/1092 Chassis Recommended)			
17	Required Cooling Air Flow:	~15 LFM				
18	Operating Temp and Relative Humidity:	0° to 55° C, 10% to 90%, Non-Condensing				
19	Non-Operating Temperature:	-40° to +85° C				
20	Regulatory & Environmental Compliance (Designed to Meet):	FCC Part 15-B Class A / CE / RoHS / EN55022 Class A / EN55024 / EN300386-2 / MIL-PRF-28800F Class 3 (Class 2 Optional)				
21	Standard Warranty:	1 Year Return to Factory Standard (Excluding Duration) (Extended Warranty Available)				
22	Country of Origin / Export Compliance:	COO: US / Mfg. in the USA / ECCN: EAR99 / US HSC: 847170900 / EU TARIC: 8471709800				
23	BAA/TAA Compliance & GSA Availability:	BAA/TAA Compliant. Avail. on GSA via TestMart at <a href="https://tinyurl.com/muk72crx">https://tinyurl.com/muk72crx</a> .				

**NEW!  
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