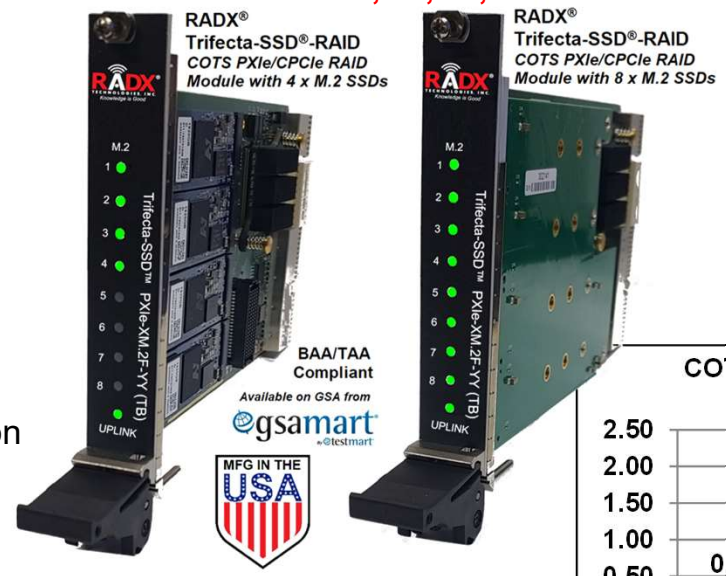
RADX® Trifecta-SSD™-RAID PXIe Data Storage Modules

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

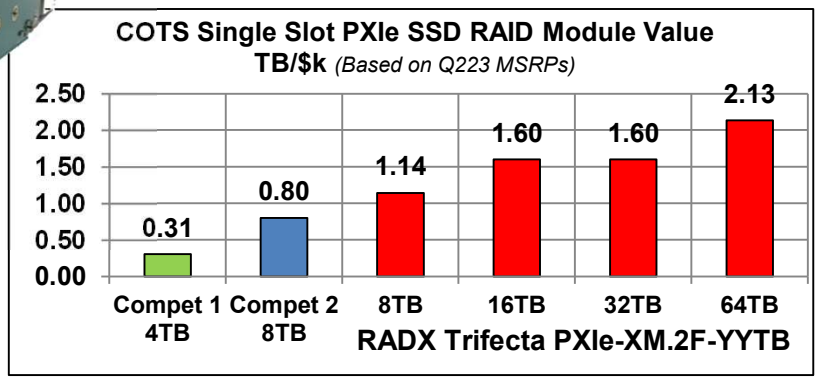
- Optimized for Wideband, High-Speed, Spectrum and Video Recording, Playback, and Data Intensive PXIe and CPCIe Applications
- Models: 8, 16, 24, 32 & 64 TB per Slot *(Special Configs Available Upon Request)*
- PCIe Gen 3 x8 I/F with Industry Leading Sustained, Sequential Read & Write Perf: ~7 GB/Sec
- 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, ENS55024, 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.

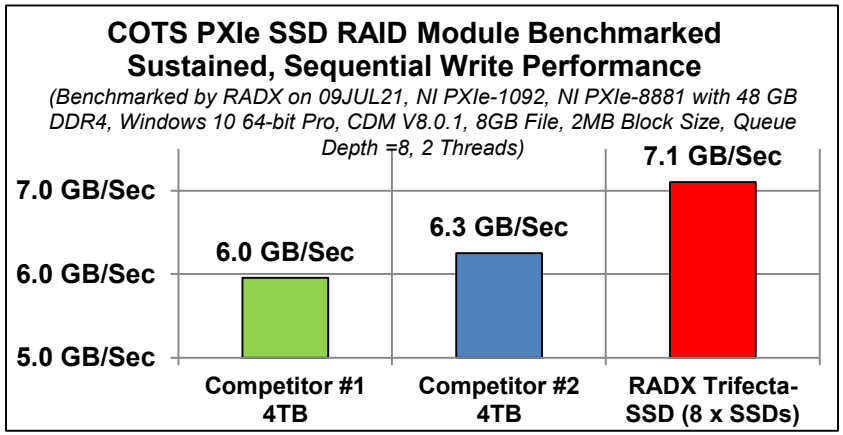
Standard Models with 8, 16, 24, 32 or 64 TB/Slot



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





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

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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):	**PXIe-SSD-4M.2F-8TB-SS2**	**PXIe-SSD-8M.2F-16TB-SS2**	**PXIe-SSD-6M.2F-24TB-SB2**	**PXIe-SSD-8M.2F-32TB-SB2 / -HE2**	**PXIe-SSD-8M.2F-64TB-SB2**
2	Q223 QTY 1 MSRP: *(FOB RADX; Includes Shipping for GSA Purchasers; Reseller, Integrator and Volume Discounts Available)*	**$6,999**	**$9,999**	**$14,999**	**SB2: $17,999 HE2: $19,999**	**$29,999**
		Contact RADX or Check https://tinyurl.com/muk72crx for Pricing Updates				
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)*	**8 TB** *(4 x 2TB M.2)*	16 TB *(8 x 2TB M.2)*	24 TB *(6 x 4TB M.2)*	32 TB *(8 x 4TB M.2)*	64 TB *(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 https://bit.ly/2MlZf50		SB2: Sabrent SB-RKT4P-4TB https://tinyurl.com/3nunve5t HE2: WD WDS400T1R0C 4TB https://tinyurl.com/3aryfrkc		Sabrent SB-RKT4P-8TB https://bit.ly/3B7Htv5
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)		
		(Benchmarked by RADX 12APR2024: NI PXIe-1092, NI PXIe-8881, 48 GB, Windows 10 64-bit, CrystalDiskMark V8.0.1, 8GB File, 2MB Block Size, Queue Depth 8, 2 Threads)				
7	Module Total Bytes Written / Endurance (PB):	**4.8 PB**	9.6 PB	SB2: 18.0 PB	SB2: 24.0 PB HE2: 40.8 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:	**< 30 W Typical**	< 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 / ENS55024 / 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 https://tinyurl.com/muk72crx.				

RADX® TECHNOLOGIES, INC.

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or Call +1 (619) 677-1849 x1

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