

RADX® Trifecta PXIe-SSD™-R COTS, PXIe Data Storage Modules

With COTS, Removable, M.2 2280 NVMe SSD Data Cartridges

Low-Cost, Removable PXIe Data Storage Upgrade for Increased Capacity and Performance



BAA / TAA Compliant

Module Designed & Assembled in the USA



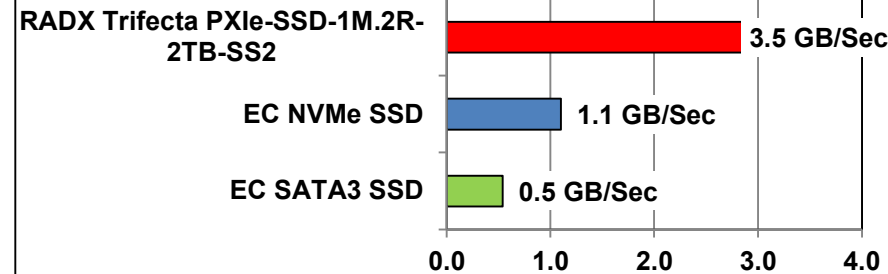
Additional 1, 2, 4 & 8TB Replacement M.2 SSD Data Cartridges and PCIe Module May Be Purchased Separately

- 1, 2, 4 or 8 TB per Slot – Removable, Upgradeable & Replaceable via Available M.2 SSD Data Cartridges
- PCIe G4 x4 I/F: Up to ~3.5 GB/Sec Sustained, Sequential R/W Performance in Gen 3 PXIe Chassis – 7x Faster than SATA3 SSDs
- ~6+ GB/Sec Seq. R/W Perf with 2 x Modules in SW RAID-0 x2
- Based on COTS, High-Performance M.2 NVMe SSDs with Sanitization & OPAL Features from Samsung, Sabrent, SanDisk, Adata, Nextorage & Others
- Low-Power (< 15W) – Works in ALL NI PXIe Chassis
- Native Support for MS Windows 7, 10 & 11 and 64-bit Linux
- M.2 2280 SSDs Certified-to-Meet and PXIe Module Designed-to-Meet Key Standards: FCC Class A, CE, RoHS, EN55022-A, EN55024, EN300386-2 & MIL-PRF-28800F-Class 3
- 1 Year RTF Warranty Excluding Write Performance Beyond PBW Specifications Standard - Extended Warranty and Tech Insertion with Current or New SSDs Options Available
- Rapid Delivery: ~30 Day Typical Leadtime in Small Volumes
- COO: US / BAA & TAA Compliant / ECCN: 5A992.c

Trifecta PXIe-SSD-R Delivers 3x to 7x Faster Sequential Write Performance Versus Most Embedded Controller SSDs

COTS PXIe SSD Module Benchmarked Average Sequential Write Performance

Crystal Disk Mark V8.0.4, 8GB File, 2MB Block, Queue Depth = 8, 2 Threads on NI PXIe-1092 with PXIe-8881 June 2024



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Available on GSA via

by testmart
<https://tinyurl.com/muk72crx>

RADX® Trifecta PXle-SSD™ -R COTS, PXle Data Storage Module & Removable Data Cartridge Specs

(As of 03MAY2026 - Subject to Change without Notice)

1	Trifecta-SSD-RM Module P/Ns: (Includes 1 x 1, 2, 4 or 8 TB M.2 SSD Cartridge Indicated in Line 25)	PXle-SSD-1M.2R-1TB	PXle-SSD-1M.2R-2TB	PXle-SSD-1M.2R-4TB	PXle-SSD-1M.2R-8TB
2	H126 MSRP (FOB SJC w/ SSD Cartridge EXCLUDING US Import Tariffs for SSDs):	\$3,999	\$4,999	\$5,999	\$9,999
3	Typical Lead Time	~30 Days ARO for Small Volumes; 8 – 16 Weeks ARO for Volume Orders			
4	Data Cartridge Unformatted Capacity:	1 TB	2 TB	4 TB	8 TB
6	Module PXle Form Factor:	Single-Slot, 3U PXle / 3U PCIe Type 2 with XJ3 and XJ4 Backplane Connectors			
7	Typical M.2 2280 NVMe SSDs Employed: (All M.2 SSDs Use TLC NAND Flash - See Mfg. URLs for M.2 SSD Specs & Features)	Samsung 990 Pro XTB (https://tinyurl.com/msmyyy3v), Samsung 9100 Pro XTB (https://tinyurl.com/2m74x6m4) and Sabrent SB-RKT4P-XTB (https://tinyurl.com/3m6xf7bk)			
8	PXle Module and M.2 SSD Cartridge PCIe I/F:	PCIe G4 x4 (Samsung 990 Pro, Sabrent SB-RKT4P-XTB) or PCIe G5 x4 (Samsung 9100 Pro) <i>Note: Most PXle Systems Limited to PCIe G3 x4 (Up to ~3.8 GB/Sec)</i>			
9	Sequential Read/Write Benchmark Perf in PXle Gen 3 x4 or Gen 3 x8 Slots:	~3.5 GB/Sec Sustained Sequential Read / ~3.25 GB/Sec Sustained Sequential Write ~1.0 to ~1.8 GB/Sec Sustained Sequential Write (Once Write Cache is Exhausted) <i>CrystalDiskMark V.8.04, 64GB File, 2MB Block, Queue Depth 8, 2 x Threads, in NI PXle-1092 Chassis with NI PXle-8881 EC</i>			
10	M.2 SSD Endurance (PBW, Unformatted):	≥ 0.6 PBW-UF	≥ 1.2 PBW-UF	≥ 2.4 PBW-UF	≥ 4.8 PBW-UF
11	M.2 SSD Data Cartridge Mating Cycles:	≥ 500 Mating Cycles			
12	PXle Module Dimensions:	PXle Module: 0.4 kg / 100 mm H x 160 mm D x 20.32 mm W (4HP) – Excluding Packaging <i>(0.9 lbs / 3.94 in H x 6.3 in D x 0.8 in W [4HP])</i>			
13	M.2 2280 SSD Data Cartridge Dimensions:	M.2 2280 SSD Data Cartridge: 0.75 g / 39 mm H x 140 mm D x 7.5 mm W – Excluding Packaging			
14	Operating System Support:	Microsoft Windows 7, 10 and 11 64-bit, Linux and RT Linux			
17	Software RAID Configurations Supported:	Software RAID-0, 1, 5 and 10 - with Multiple Modules Installed (~6 GB/Sec Seq. R/W in RAID-0 x2)			
18	Front Panel M.2 Status LED:	Power (Solid Green), Drive Activity (Blinking Green), Off (No Drive Present)			
19	Operating Power Dissipation & Req'd Air Flow:	< 12 W Max and < ~15 LFM			
20	Non-Op / Op Temp & Rel. Humidity:	Non-Op Temp: -40° to +85° C / Op Temp: 0° to 55° C / Rel. Humidity: 10% to 90%, Non-Condensing			
21	Regulatory & Environmental Compliance (Certified & Designed to Meet):	M.2 2280 SSD Certified to Meet and PXle Module Designed to Meet FCC Part 15-B Class A / CE / RoHS / EN55022 Class A / EN55024 / EN300386-2 / MIL-PRF-28800F Class 3			
22	Module & Data Cartridge Std. Warranty:	1 Year Return to Factory Standard (Excluding M.2 SSD Write Endurance) (<i>Extended Warranty Available</i>)			
23	PXle Module with Included M.2 SSD Data Cartridge Export Compliance Info:	BAA/TAA Compliant / COO: USA (Designed & Assembled in the USA) / ECCN: 5A992.c NLR / US HTC: 8523510000			
24	Add'l M.2 SSD Data Cartridge P/Ns:	DC-1M.2R-1TB-SS2	DC-1M.2R-2TB-SS2	DC-1M.2R-4TB-SB2	DC-1M.2R-8TB-SB2
25	Separately Purchased M.2 2280 SSD Data Cartridge Export Compliance Info:	BAA/TAA Compliant / COO: Varies by SSD / ECCN: 5A992.c NLR / US HTC: 85235100			
26	M.2 SSD Data Cartridge COO:	KR, VN, MY or TW			
27	Add'l M.2 SSD Data Cartridge H126 MSRP (FOB SJC EXCLUDING US Import Tariffs for SSDs):	\$1,999	\$2,999	\$3,999	\$7,999
28	GSA Availability including Shipping in USA:	Modules and SSD Cartridges Available on GSA via TestMart at https://tinyurl.com/muk72crx			



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Partner



<https://tinyurl.com/muk72crx>