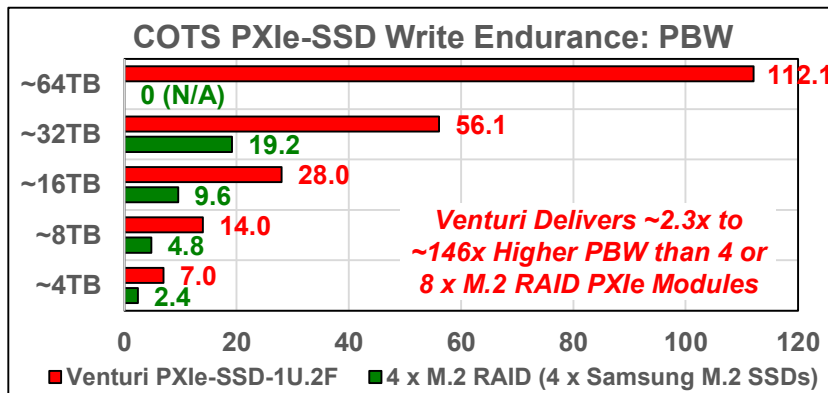
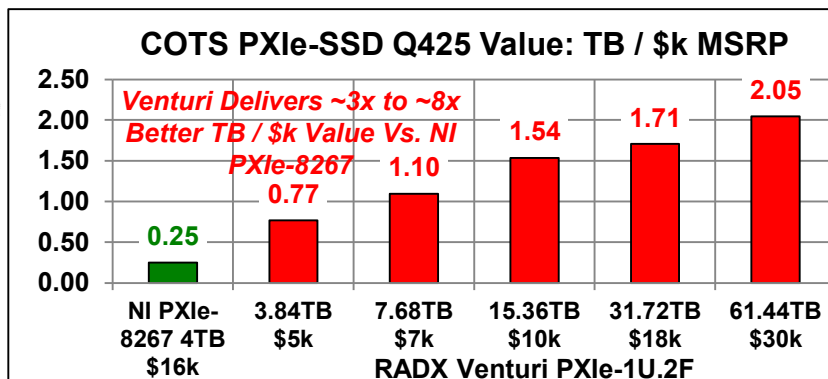
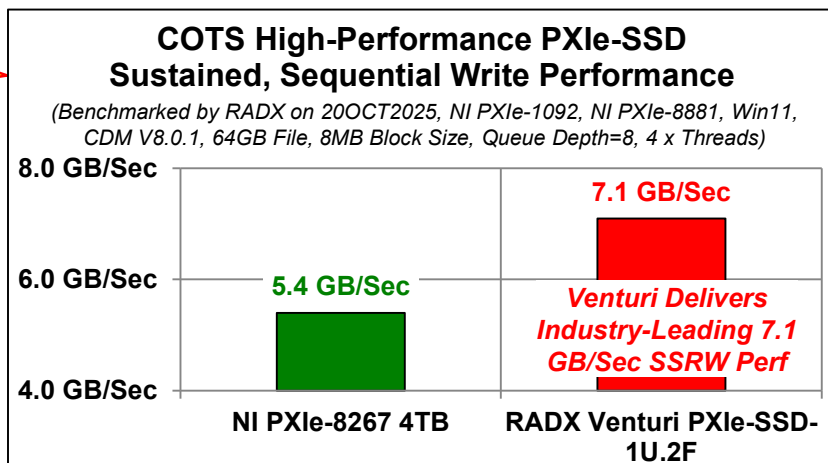


RADX® Venturi PXI-SSD™ Family of COTS Data Center PXIe-SSDs

COTS, Cost-Effective, 1-Slot, Low-Power, Patent-Pending, PXIe-SSDs with 15mm Data Center G4 / G5 U.2 / U.3 NVMe SSDs with up to 61.4 TB / Slot, ~7.1 GB/Sec SSRW Performance & 112 PBW Endurance

- Unique, Patent-Pending Design Delivers 4 or 8 x M.2 RAID Level Sustained Sequential Read / Write Performance and Capacities along with Superior Write Endurance and Random I/O Read Perf Using One (1) G4 / G5 Data Center U.2 / U.3 NVMe SSD
- **Form, Fit & Functional Replacement for PXIe M.2 RAID Modules:**
 - RADX Trifecta PXIe-SSD-XM.2F, NI PXIe-8267 and Conduant PXI-DM-4M.2
- For Wideband Spectrum, Video & Data Recording, Playback, Analysis, Image/Video Processing, Edge ML/DL and AI
- **0.8TB (EE), 3.84TB, 7.68TB, 15.36TB, 30.72TB, & 61.44TB (UF)**
 - 800GB Extreme Endurance SSD for Circular / Pre-Trigger Buffer Apps
 - Special Configurations Available Upon Request
- **Up to ~7.2 / ~7.1 GB/Sec SSRW Perf in Gen 3 x8 PXIe Systems**
 - Industry-Best Sustained, Sequential Read/Write (SSRW) Performance
 - Based on RADX Patent-Pending Venturi Design with SSD I/O Acceleration
- **Unprecedented Write Endurance - up to 112.1 PBW**
 - ~2.3x to 146x Higher PBW than 4 x M.2 RAID Solutions
- **Industry-Best Value: ~3x to ~8x Better TB / \$k vs. M.2 RAID**
 - New ~4TB Model with \$5k MSRP
- Low Power: TDP ≤ 38W TDP - Works in Any PXIe Chassis
- OS Support: MS Windows 7, 10 & 11, RT Linux & Popular Linux 64-bit Distributions
- Support for JBOF and Software RAID 0, 1, 5 and 10 Configs via Multiple Modules
- **Unique 3-Year RTF Warranty - Excluding Write Performance Beyond PBW Specs**
- Long Life Cycle Support, Extended Warranty and Factory Tech Insertion / SSD Replacement Options with Current or Next Gen SSDs Available
- Designed to Meet Key Reg / Environmental Requirements: FCC Class A, CE, RoHS, EN55022-A, EN55024, EN300386-2 & MIL-PRF-28800F-Class 3
- COO: USA (Designed & Assembled); BAA / TAA Compliant; ECCN: 5A992.c
- Rapid Delivery (Q1 2025): ~30 to 45 Day Typical Leadtime for Non-EE Products
- Available via GSA from TestMart: See <https://tinyurl.com/muk72crx>



Email info@radxtech.com, Visit www.radxtech.com
or Call +1 (619) 677-1849 x1

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<https://tinyurl.com/muk72crx>

RADX® Venturi Family of COTS Data Center PXle-SSDs™ Specifications

(As of 31OCT2025 - Subject to Change without Notice)

1	Venturi PXIE-SSD-1U.2F Part Number (P/N Ordering Info):	PXle-SSD-1U.2F-0.8TB-FX4-EE	PXle-SSD-1U.2F-3.84TB-XXX	PXle-SSD-1U.2F-7.6TB-XXX	PXle-SSD-1U.2F-15.36TB-XXX	PXle-SSD-1U.2F-30.72TB-XXX	PXle-SSD-1U.2F-61.44TB-MI5
2	Unformatted Capacity:	0.8 TB (UF)	3.84 TB (UF)	7.68 TB (UF)	15.36 TB (UF)	30.72 TB (UF)	61.44 TB (UF)
3	U.2 / U.3 Data Center NVMe SSDs Employed: <i>(Subject to Change without Notice. See SSD Mfg. Website for Specs & Features)</i>	Flexxon FCCB800GBC (FX4) - 60 DWPD Gen 4	Micron Pro 9550 (MI5) - 1 DWPD Gen 5			Micron Ion 6550 (MI5) - 1 DWPD	Micron Ion 6550 (MI5) - 1 DWPD Gen 5
4	Sustained, Seq. Read / Write (R/W) Performance (GB/Sec):	FX4: 7.1 R / 6.9 W GB/Sec	MI5: 7.2 R / 7.1 W GB/Sec PH5: 7.1 R / 6.9 W GB/Sec			MI5: 7.2 R / 7.1 W	
Benchmarked by RADX October 2025: NI PXle-1092, NI PXle-8881, PCIe Gen 3 x8, Win11, CDM V8.0.1, 64GB File, 8MB Block, QD 8, 4 Threads.							
5	Module Write Endurance Peta Bytes Written (Unformatted PBW):	87.6 PBW (UF)	7.01 PBW (UF)	14.02 PBW (UF)	28.0 PBW (UF)	56.1 PBW (UF)	112.1 PBW (UF)
6	Q425 QTY 1 MSRP	-FX4: \$8,999	-PH5: \$4,999 -MI5: \$5,999	-PH5: \$6,999 -MI5: \$7,999	-PH5: \$9,999 -MI5: \$10,999	-PH5: \$17,999 -MI5: \$19,999	-MI5: \$29,999
FOB SJC; Subject to change without notice; excluding new US import tariffs enacted prior to shipment; SI, VAR, & EDU Discounts Available.							
7	Capacity Value (UF-TB / \$k)	-FX4: 0.09	-PH5: 0.77 -MI5: 0.64	-PH5: 1.10 -MI5: 0.96	-PH5: 1.54 -MI5: 1.40	-PH5: 1.71 -MI5: 1.54	-MI5: 2.05
8	Endurance Value (UF-PBW / \$k)	-FX4: 9.73	-PH4: 1.40 -MI5: 1.17	-PH5: 2.00 -MI5: 1.75	-PH5: 2.8 -MI5: 2.55	-PH5: 3.12 -MI5: 2.81	MI5: 3.74
9	Typical (Production) Lead Time:	~60 to ~75 Days ARO	~30 to ~45 Days ARO for Small Orders / 8 – 16 Weeks ARO for Volume Orders				
10	Module Form Factor:	Single-Slot, 3U PXle Peripheral / 3U PCIe Type 2					
11	Module Dimensions:	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])					
12	Module PCIe Express Switch:	Microchip PM40028B1-F3EI PCIe Gen 4 x28 Lane Switch					
13	Backplane Interface:	PCIe Gen 4 x8 (~32 GB/Sec Max)					
14	RAID Configurations Supported:	Software RAID-0, 1, 5 and 10 with Multiple Venturi PXle-SSD-1U.2F Modules					
15	Operating System Support:	Microsoft Windows 10, 11 64-bit, Popular Linux Distributions and NI RT-Linux.					
16	Front Panel Status LED(s):	SSD / Kyber Crystal Activity Indicator					
17	Backplane Connectors:	XJ3 and XJ4					
18	Operating Power Consumption:	< 25 W Typical, ≤ 38 W TDP During Peak Usage					
19	Required Cooling Air Flow:	~152 LFM (38W TDP, 20°C ΔT at 23°C Ambient)					
20	Operating Temp & Rel. Humidity:	0° to 55° C, 10% to 90%, Non-Condensing (SSD)					
21	Non-Operating Temperature:	-40° to +85°C					
22	Regulatory & Environmental Compliance (Designed to Meet):	SSD Meets and Module is 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)					
23	Standard Warranty:	Three (3) Year RTF Warranty Standard (Excluding Write Endurance Beyond PBW Spec) – Ext'd Warranty Available					
24	Country of Origin:	COO: US / Designed and Assembled in the USA					
25	Export Compliance:	ECCN: 5A992.c / US HSC: 8523.51.0000 / EU TARIC: 8523.51.0000					
26	BAA/TAA Compliance & GSA:	BAA/TAA Compliant. Available on GSA and Other Federal Contracts via TestMart at https://tinyurl.com/muk72crx					



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<https://tinyurl.com/muk72crx>