

# RADX Announces Venturi Family of COTS, Data Center PXle-SSDs™

**Patent-Pending, Venturi PXle-SSD Family Harnesses the Power of Data Center SSDs to Deliver Extreme Performance, Write Endurance, Reliability and Value for Data Intensive PXle T&M Apps**

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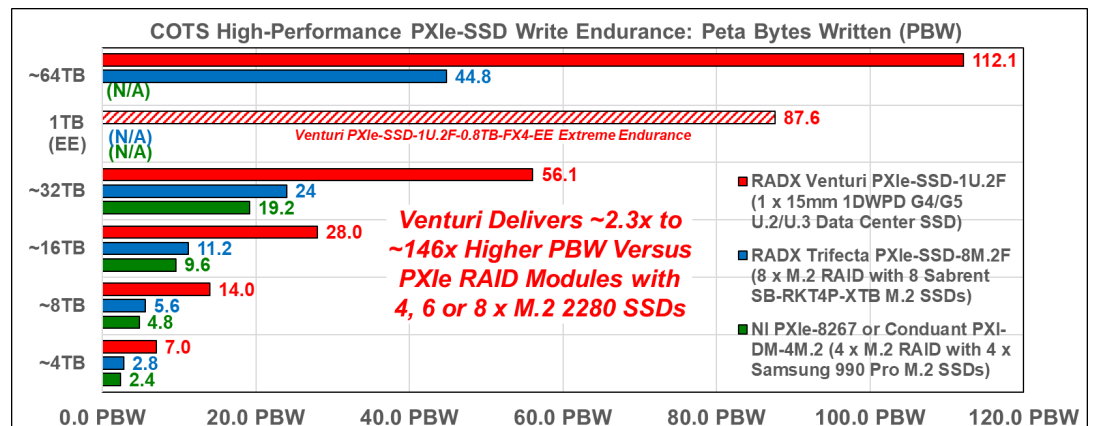
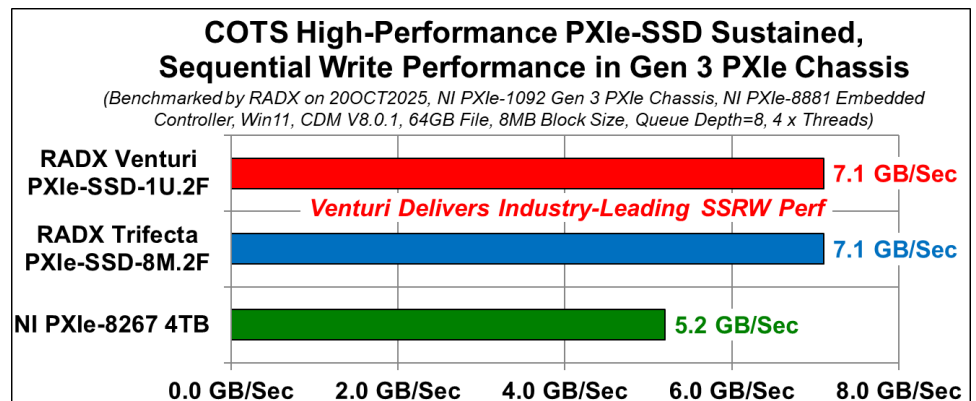
**San Jose, CA, 05NOV2025**, RADX® Technologies, Inc. ("RADX", [www.radxtech.com](http://www.radxtech.com)) today introduced the Venturi Family of COTS Data Center PXle-SSDs™ — a new line of cost-effective, high-performance PXle data storage modules optimized for data-intensive Test & Measurement (T&M) applications, such as real-time signal processing, RF and spectrum analysis, data recording and playback, and AI training and inference.

Venturi PXle-SSDs incorporate unique, patent-pending RADX technology that enables 15mm, PCIe Gen 4 and Gen 5, Data Center U.2 and U.3 NVMe SSDs to deliver Sustained, Sequential Read and Write (SSRW) performance of up to ~7.2 GB/Sec Read and ~7.1 GB/Sec Write in PXle Gen 3 chassis. ~7.2 GB/Sec Read and ~7.1 GB/Sec Write is effectively the upper limit for SSRW in Gen 3 PXle systems and is equivalent to the performance achieved by RADX Trifecta PXle-SSD RAID modules with 8 x M.2 2280 NVMe SSDs.

"An essential design criterion for Venturi was to match the ~7+ GB/Sec Gen 3 x8 sustained sequential read and write performance achieved by RADX Trifecta PXle-SSD RAID Modules that have eight M.2 SSDs," said Ross Q. Smith, RADX Co-Founder, CEO and Occasional Angler. "Our engineering team has achieved this critical goal, so we're now able to offer Venturi with the many benefits derived from using Data Center SSDs, including unmatched write endurance, low power dissipation, zero thermal throttling, superior MTBF and a 3x longer warranty versus PXle M.2 RAID products based on 4 to 8 x client M.2 2280 SSDs."

**Industry-Leading Capacities and Write Endurance** - Standard Venturi PXle-SSD models include 7.68TB, 15.36TB, 30.72TB, and 61.44TB (unformatted) capacities, with ~24TB and other capacities available upon request. In addition, the Venturi Family includes a new, low-cost 3.84TB model (\$5k MSRP) and an Extreme Endurance 800GB model (87.6 PBW) that's optimized for continuous write and circular-buffer applications. With its Data Center SSDs, Venturi can support write endurance between 7 and 112 Petabytes Written ("PBW"), which is 2.3x to 146x higher than similar capacity M.2 RAID products with 4, 6 or 8 x M.2 SSDs. This enables Venturi to offer unrivalled support for wideband recording applications that require thousands of write cycles.

"Many of our engineering and production tester applications use circular buffers that need high sequential write performance concurrently with extreme write endurance," said Becky Linton, SPHEREA US Senior Engineer. "Some of our multi-channel testers continuously stream pre-trigger data at over 6 GB/Sec per channel, twenty-four hours per day, for months at a time. With M.2-based RAID modules, we have to replace the SSDs weekly or monthly, which is very costly and is an operational nightmare for our production test customers. With Venturi, we can sustain up to a year of operation from a single, high-performance Data Center SSD per channel, which is a huge improvement in terms of operations complexity, total cost of ownership and overall customer satisfaction."



# RADX Announces Venturi Family of COTS Data Center PXle-SSDs™

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**Pricing, Value and Delivery** - Venturi PXle-SSDs feature pricing that's equivalent to Trifecta PXle-SSD-XM.2F RAID Modules. This enables Venturi PXle-SSDs to preserve and extend the capacity and write endurance value (TB or PBW / \$k MSRP) established by Trifecta RAID Modules. Early units are available now, with 45 to 60-day ARO. Volume production (30-day ARO) will begin in Q1 2026.

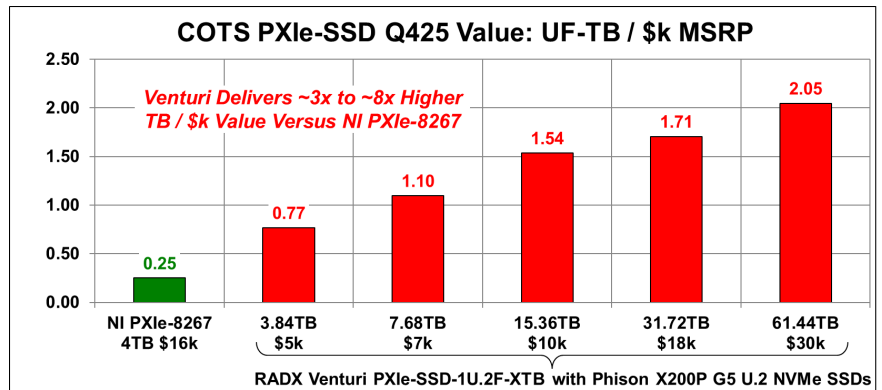
| RADX Venturi PXle-SSD Family P/Ns, SSDs, Capacities, SSRW Performance, Write Endurance, MSRP and Value |                                                                               |                                          |                                          |                                           |                                           |                            |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|----------------------------|
| Model (P/N):                                                                                           | PXle-SSD-1U.2F-0.8TB-FX4-EE                                                   | PXle-SSD-1U.2F-3.84TB-XXX (-MI5 or -PH5) | PXle-SSD-1U.2F-7.68TB-XXX (-MI5 or -PH5) | PXle-SSD-1U.2F-15.36TB-XXX (-MI5 or -PH5) | PXle-SSD-1U.2F-30.72TB-XXX (-MI5 or -PH5) | PXle-SSD-1U.2F-61.44TB-MI5 |
| 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)              |
| Sustained, Sequential Read / Write (SSRW) Performance (GB/Sec):                                        | -MI5: 7.2 GB/Sec Read / 7.1 GB/Sec Write (Micron 9550 Pro and 6550 Ion Gen 5) |                                          |                                          |                                           |                                           |                            |
| Write Endurance:                                                                                       | 87.6 PBW (UF)                                                                 | 7.01 PBW (UF)                            | 14.02 PBW (UF)                           | 28.0 PBW (UF)                             | 56.1 PBW (UF)                             | 112.1 PBW (UF)             |
| Q4 2025 MSRP:                                                                                          | -FX4: \$8,999                                                                 | -PH5: \$4,999<br>-MI5: \$5,999           | -PH5: \$6,999<br>-MI5: \$7,999           | -PH5: \$9,999<br>-MI5: \$10,999           | -PH5: \$17,999<br>-MI5: \$19,999          | -MI5: \$29,999             |
| Capacity Value (UF-TB / \$k MSRP):                                                                     | -FX4: 0.09                                                                    | -PH5: 0.77<br>-MI5: 0.64                 | -PH5: 1.10<br>-MI5: 0.96                 | -PH5: 1.54<br>-MI5: 1.40                  | -PH5: 1.71<br>-MI5: 1.54                  | -MI5: 2.05                 |
| Endurance Value (UF-PBW / \$k MSRP):                                                                   | -FX4: 9.73                                                                    | -PH4: 1.40<br>-MI5: 1.17                 | -PH5: 2.00<br>-MI5: 1.75                 | -PH5: 2.8<br>-MI5: 2.55                   | -PH5: 3.12<br>-MI5: 2.81                  | MI5: 3.74                  |

**Additional Benefits** – Venturi PXle-SSDs derive additional benefits via their use of a single Data Center SSD versus M.2 PXle RAID products with 4 to 8 x M.2 SSDs:

- **Superior Random I/O Read Perf.** By using Data Center SSDs, Venturi PXle-SSDs deliver up to ~3.3M Random Read I/OPS versus the ~1.6M RRI/OPS achieved by PXle RAID products with multiple M.2 SSDs.
- **Reduced Power Dissipation & Op Temps.** With a single Data Center SSD, Venturi PXle-SSDs feature a Thermal Design Power (TDP) of 38W and Operating Temperatures typically under 50°C at 23°C ambient (~23°C ΔT), enabling them to work in any PXle Chassis at full performance, without thermal throttling, which affects some M.2 RAID products.
- **Standard 3-Year RTF Warranty (Industry First).** With up to 2.5M Hour Mean Time Between Failure (MTBF), Data Center SSDs feature substantially higher MTBFs than client or consumer M.2 2280 SSDs. Higher MTBFs, coupled with reduced op temps and the use of one versus multiple SSDs, enable Venturi to support a 3x longer warranty than M.2-based PXle RAID or other PXle SSDs.
- **Simple Configuration.** With its single Data Center SSD, installing Venturi PXle-SSDs under RT Linux, Linux or Windows is identical to adding a standard NVMe SSD to a standard PC – simply import the drive and format it.
- **Designed and Assembled in the USA.** Venturi PXle-SSDs are designed and assembled in the USA (in the Great State of Utah!), feature a US Country of Origin (COO: US), are BAA and TAA compliant and feature an ECCN of 5A992.c.

**See Venturi at AOC 2025** - At AOC 2025 (<https://aoc2025.org>, 09-11DEC2025, National Harbor, MD) RADX will demonstrate the new Venturi PXle-SSDs, along with RADX PXle-GPUs and other RADX COTS PXle Modules, combined with G2CPU ([www.g2cpu.com](http://www.g2cpu.com)) software showing GPU-accelerated, advanced T&M applications including real-time signal analysis, RF record and playback, signal, image and video processing, and edge machine / deep learning in the RADX Booth, No. 1102. **For more info on Venturi, please visit [www.radxtech.com/pxie-ssd/venturi-pxie-ssd](http://www.radxtech.com/pxie-ssd/venturi-pxie-ssd) or email [info@radxtech.com](mailto:info@radxtech.com).**

**About RADX Technologies, Inc.** - Founded in 2011, RADX Technologies, Inc., is a high-tech small business that develops COTS PXle and PCIe hardware and software products including PXle and PCIe GPUs, eGPUs, SSD / RAID Subsystems, Network Interface Cards and other I/O Products that enable advanced signal, image, video, data processing and ML/DL/LLM training and inference T&M applications within the EW, Aerospace, Semiconductor and Automotive markets. As an Emerson / NI Alliance Partner, RADX focuses on products and solutions that complement the Emerson / NI PXle and USRP product lines. RADX products are BAA & TAA compliant and are available on GSA from TestMart at <https://tinyurl.com/muk72crx>. RADX is headquartered in California with development locations in Utah, New Mexico, and Taiwan. For more info on RADX, please visit [www.radxtech.com](http://www.radxtech.com), email [info@radxtech.com](mailto:info@radxtech.com) or call +1 (619) 677-1849 x1.



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