

INSTRUMENTATION | PXI INSTRUMENTS | RADX ANNOUNCES TRIFECTA FAMILY OF COTS PXIE SSD RAID MODULES

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AUSTIN, TX—[RADX Technologies](#) (RADX), May 20 at National Instruments NI Week 2019, announced Trifecta-SSD, a new family of COTS, PXIe (and CPCIe), single-slot, NVMe SSD RAID modules. Optimized for wideband, high-speed, data recording, playback, and storage applications, Trifecta-SSD Modules provide the highest performance, capacity, and best value (price-per-terabyte) available in the test and measurement (T&M) market today.



“At 1 GHz RF bandwidth per channel, LibertyGT RF/IF Record and Playback systems write 5 GB/Sec per channel to SSD RAID, and with a 4 TB Module, we can only store 13 minutes of data,” said Ross Q. Smith, RADX Co-Founder and CEO. “Our customers are asking for multiple missions and hours of record time, which would require five PXIe slots per channel. In response, we developed Trifecta-SSDs to address long duration, multi-mission, wideband record and playback requirements in a single PXIe slot. Then we priced Trifecta-SSD Modules to be affordable so that LibertyGT and non-LibertyGT customers alike won’t have to compromise their recording duration specs or their budgets.”

Trifecta-SSD’s PCIe Gen 3 x8 architecture combines four or eight M.2 NVMe SSDs in a single-slot PXIe/CPCIe module that supports 8, 16, or 31TB, which is 2-to-8 times greater than other single-slot SSD RAID modules. Optimized for wideband RF/IF applications, Trifecta-SSD Modules can sustain 6.9 GB/Sec sequential write performance and > 7 GB/Sec sequential read performance (depending on configuration and application). Trifecta-SSD Modules are designed to comply with key standards including RoHS, FCC Part 15 Subpart B, Class A, CE and MIL-PRF-28800F.

Trifecta-SSD Modules support 64-bit Windows operating systems and select Linux distributions upon request. Trifecta-SSDs are priced at \$6,999 (8TB), \$13,999 (16TB) and \$19,999 (31TB), which is about 1/2 to 1/3 the price-per-terabyte of competitive products. Delivery is 30 days ARO or less, beginning in Q319. For details, visit <http://www.trifecta-ssd.com>.

“We initially contemplated these SSD Modules solely for our own LibertyGT Systems,” said Wade Lowdermilk, RADX Co-Founder and CTO. “But given the industry need for affordable wideband storage, we thought there could be wide demand for a value-oriented, high-performance, high-capacity product. We then needed a marketing name, and because these modules are fast, good AND cheap, ‘Trifecta’ was the obvious choice.”