



Cost-Effective, COTS Products for High-Performance Modular T&M Applications: EW, CV, SDR, ML/DL, Mfg. Q/A & Automotive AD/ADAS

PXie Data Storage: Trifecta-SSD™ RAID & RM



PXie (GbE) Ethernet NICs: Catalyst-GbE™



PXie GPUs: Catalyst-GPUs™ & Trifecta-GPUs™



Available on GSA via [tinyurl.com/muk72crx](https://www.tinyurl.com/muk72crx)

RADX Technologies, Inc.
 Email: info@radxtech.com
 Tel: +1 (619) 677-1849 x1
 555 Bryant Street, #349
 Palo Alto, CA 94301



www.radxtech.com

RADX® PXie GPUs

Eliminates the Need for External GPU Servers

Easy-to-Program, High-Performance, Cost-Effective, COTS NVIDIA® GPUs for PXie Systems
 Ideal for Compute-Intensive CV, EW and T&M Applications that Can Benefit from Software-Defined, GPU-Accelerated Signal, Image & Video Processing and Machine Learning / Deep Learning (ML/DL) Inference Processing

Catalyst-GPU™

www.radxtech.com/catalyst-gpu

Patent Pending



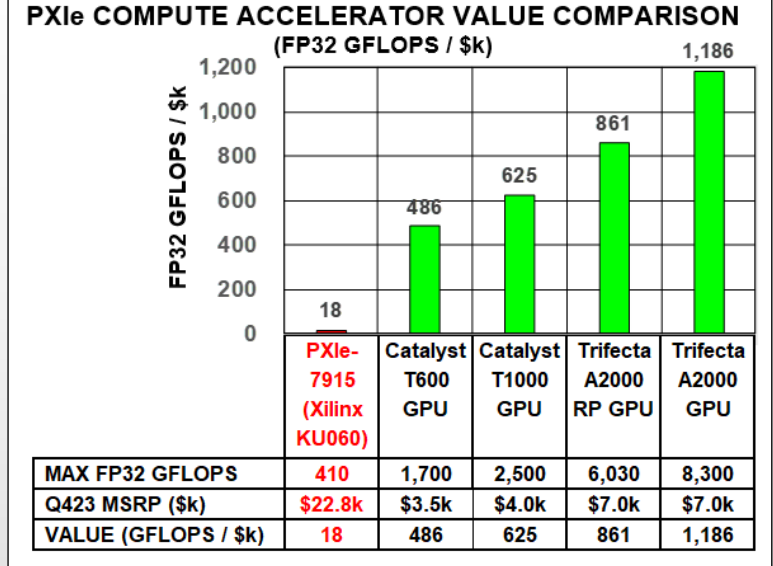
Trifecta-GPU™

www.radxtech.com/trifecta-gpu



- Supports **NVIDIA CUDA & OpenCL** GPU-Accelerated Image, Video, & Signal Processing and ML/DL Inference Apps Under MS Windows & Linux with **1.7 to 8.3 FP32 TFLOPS Performance**
- **Up to 200x Faster than CPUs** on CV, IP, DSP & ML/DL Inf Apps
- **Easy-to-Program via MATLAB, LabVIEW, Python and C/C++** with optimized support for virtually all Signal, Image & Video Processing and AI ML/DL Libraries & Frameworks (see below).

- Supports **1k to 8M Sample FFTs** and other kernels, well beyond FPGA 64k FFT Sample Limits, for Unmatched RBW and Industry-Best LPI Signal Detection & Classification
- Supports **NVIDIA NVENC/NVDEC** Dedicated Video Encode / Decode Hardware for real-time 2k, 4k and 8k Video Compression / Decompression on multiple video streams
- **Rapid Delivery: ~30 Day Typical Leadtime**



FAMILY	RADX PXie-GPU MODEL (P/N)	NVIDIA GPU	FP32 TFLOPS	CORES	NVENC / NVDEC	GDDR6	PXie SLOTS	WATTS / SLOT	Q423 MSRP
Catalyst-GPU	PXie-GPU-T600-4GB-1SP	Quadro T600-4GB	1.7	640 CUDA	1 x NVENC 1 x NVDEC	4GB / 160GB/Sec	1	38W/Slot	\$3,499
	PXie-GPU-T1000-8GB-1SP	Quadro T1000-8GB	2.5	896 CUDA	1 x NVENC 1 x NVDEC	8GB / 160GB/Sec	1	50W/Slot	\$3,999
Trifecta-GPU	PXie-GPU-A2000-8GB-1SM	RTX-A2000-8GB MXM 3.1 Type A	8.3	2,560 CUDA 20 RT 80 Tensor	1 x NVENC 2 x NVDEC	8GB / 192GB/Sec	1	58W/Slot	\$6,999
	PXie-GPU-A2000-8GB-2SM						2	29W/Slot	\$7,999
	PXie-GPU-A2000-8GB-1SM-RP	1	35W/Slot	\$6,999					

www.radxtech.com • email: info@radxtech.com • +1 (619) 677-1849 x1 • TestMart (GSA): [tinyurl.com/muk72crx](https://www.tinyurl.com/muk72crx)

© Copyright 2023 & 2024, RADX Technologies, Inc. All Rights Reserved. 19MAR2024 V2.10

RADX[®] PXIe Data Storage

Trifecta-SSD™-RAID

www.radxtech.com/trifecta-ssd-raid

COTS, Cost-Effective, Extreme-Performance, Single-Slot, PXIe/ NVMe M.2 SSD RAID Data Storage Modules



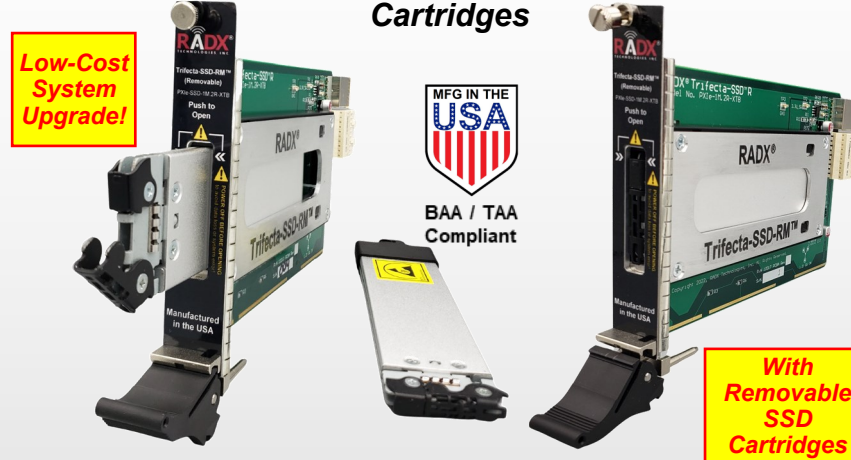
- For Ultra-Wideband, PXIe RF & IF, DSO, Digitizer & Video Capture, Record, Playback and Analysis Systems
- Industry Leading Single-Slot SSD RAID Capacity: **8, 16, 24, 32 or 64 TB per Slot**
- Industry Leading Performance: **Up to 8 x M.2 NVMe SSDs and PCIe Gen 3 x8 for up to 7.1 GB/Sec Sustained, Sequential R/W with NO Write Hiccups**
- > 12+ GB/Sec Sustained, Sequential R/W with 2 Modules in Software RAID-0
- Industry Leading Price / Performance (TB/\$k)
- **Rapid Delivery: ~30 Day Typical Leadtime**

Trifecta-SSD-RAID MODEL (P/N)	UNFORMATTED CAPACITY	Q224 MSRP
PXIe-SSD-4M.2F-8TB-SS	8TB	\$6,999
PXIe-SSD-8M.2F-16TB-SS	16TB	\$9,999
PXIe-SSD-6M.2F-24TB-SB	24TB	\$14,999
PXIe-SSD-8M.2F-32TB-SB	32TB	\$19,999
PXIe-SSD-8M.2F-64TB-SB	64TB	\$29,999

Trifecta-SSD™-RM

www.radxtech.com/trifecta-ssd-rm

COTS, Low-Cost, High-Performance, Single-Slot, PXIe Data Storage Modules with Removable SSD Data Cartridges



- Ideal for Applications Requiring Rapid Security Level Changes, Backups, and/or Test Environment Changes
- **Easy to Remove, Replace & Upgrade NVMe M.2 SSD Data Cartridges with 1, 2, 4 or 8 TB Capacity**
- **1, 2, 4 or 8 TB / Slot: 2x to 16x the Capacity of Typical 500GB Embedded Controller SSDs**
- PCIe Gen 3 x4 I/F with up to **3.5 / 3.0 GB/Sec Sequential R / W and 1.0 to 3.25 GB/Sec Sustained Sequential Write Performance: ~7x Faster than Embedded Controller SSDs**
- > 6+ GB/Sec Seq. R/W Perf with 2 Modules in SW RAID-0
- **Rapid Delivery: ~30 Day Typical Leadtime**

Trifecta-SSD-RM MODEL (P/N)	Q224 MSRP	INCLUDED SSD DATA CARTRIDGE	ADD'L DATA CARTRIDGE Q224 MSRP
PXIe-SSD-1M.2R-1TB-SS	\$1,999	1TB	\$749
PXIe-SSD-1M.2R-2TB-SS	\$2,499	2TB	\$999
PXIe-SSD-1M.2R-4TB-SB	\$3,499	4TB	\$1,999
PXIe-SSD-1M.2R-8TB-SB	\$4,999	8TB	\$3,499

RADX[®] PXIe GbE

Catalyst-GbE™

www.radxtech.com/catalyst-gbe

COTS, Cost-Effective, Single-Slot, High-Performance PXIe 10, 25 & 100GbE NICs with Rapid Delivery



- Based on RADX Patent-Pending Catalyst-X™ Carrier Card Design with PCIe Gen4 x8 Support
- Featuring **NVIDIA[®] Mellanox[®] CX6 and Intel[®] XL710-BM1 PCIe NICs**— all with Industry Leading Performance and Data Center Level Product Features
- **Support for RDMA (iWARP, RoCEv2, GPUDirect [NVIDIA Mellanox CX5 & CX6]) & IPsec Offload**
- **PXIe-2x100GbE-CX6 & PXIe-GbE-2x25/10GbE-CX6 Support IEEE-1588v2 Precision Time Protocol (PTP) and Synchronization**
- **Rapid Delivery: ~30 Day Typical Leadtime**

Catalyst-GbE MODEL (P/N)	PCIe NIC	TRANS-CEIVERS	W / SLOT	Q224 MSRP
PXIe-GbE-4x10GbE-XL710	Intel XL710-BM1	4 x SFP+	~10W	\$3,999
PXIe-GbE-2x25/10GbE-CX6	NVIDIA Mellanox MCX631102AN-ADAT	2 x SFP28	~13W	\$2,999
PXIe-GbE-2x100GbE-CX6	NVIDIA Mellanox MCX623106AN-CDAT	2 x QSFP56	~27W	\$5,999

www.radxtech.com • email: info@radxtech.com • +1 (619) 677-1849 x1 • TestMart (GSA): tinyurl.com/muk72crx

www.radxtech.com • email: info@radxtech.com