

FOR IMMEDIATE RELEASE



# RADX Announces New Catalyst PXle-GPUs Based on NVIDIA Blackwell RTX Pro SFF GPUs at NI Connect 2026

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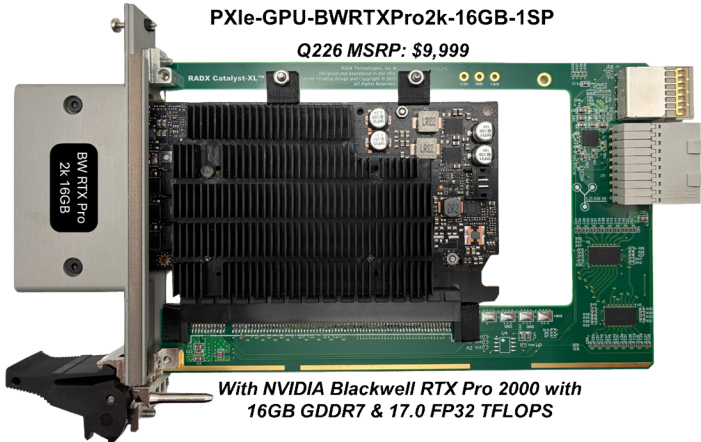
**New Catalyst-X™ PXle-GPUs Employ NVIDIA® Blackwell RTX Pro SFF PCIe GPUs to Deliver Watershed Performance for Cost-Effective, Software-Defined, Compute-Intensive Signal, Image & Video Processing, ML / DL Training & Inference and Air-Gapped RAG / LLM Applications**

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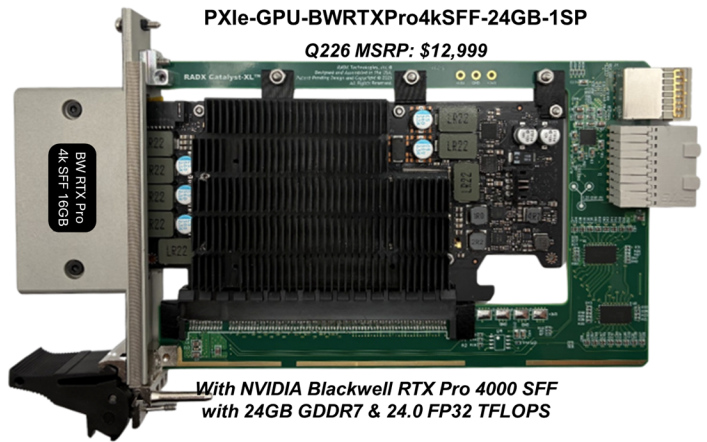
**FORT WORTH, TEXAS, USA, TUESDAY, 12MAY2026**, RADX® Technologies, Inc. (“RADX”, [www.radxtech.com](http://www.radxtech.com)), a leader in COTS, high-performance, computing technologies and products for modular Test & Measurement (T&M), today at NI Connect 2026, announced two new Catalyst-X™ PXle-GPU™ Modules based on NVIDIA’s latest Professional Small Form Factor (SFF) PCIe GPUs: the Blackwell RTX Pro 2000 (<https://tinyurl.com/5acu2svt>) and RTX Pro 4000 SFF (<https://tinyurl.com/3e4r7brp>). The new PXle-GPU-BWRTXPro2k-16GB and PXle-GPU-BWRTXPro4kSFF-24GB PXle-GPUs employ RADX’ Patented (US Patent No. 12284547) Catalyst-X PXle Carrier Card Technology to transform the NVIDIA SFF PCIe GPUs into single-slot PXle modules.

The PXle-GPU-BWRTXPro2k-16GB features 16GB of GDDR7 that supports 288 GB/Sec of memory bandwidth and delivers up to 17.0 FP32 / 110.0 TF32 TFLOPS. The PXle-GPU-BWRTXPro4kSFF-24GB features 24GB of GDDR7 that supports 432 GB/Sec of dedicated memory bandwidth and delivers up to 24.0 FP32 / 155.0 TF32 TFLOPS. The new PXle-GPUs feature exceptional memory bandwidth and compute performance, with support for GDDR7, DisplayPort 2.1b, and enhanced nvCOMP, NVENC and NVDEC compression technologies. As a result, these new PXle-GPUs set new standards for price/performance as cost-effective, easy-to-program, COTS accelerators for software-defined, compute-intensive PXle T&M applications in Aerospace, Defense, Automotive, Manufacturing, Computer Vision, Semi and other segments.

## RADX Catalyst In-Chassis PXle-GPUs - Based on NVIDIA Blackwell RTX Pro GPUs



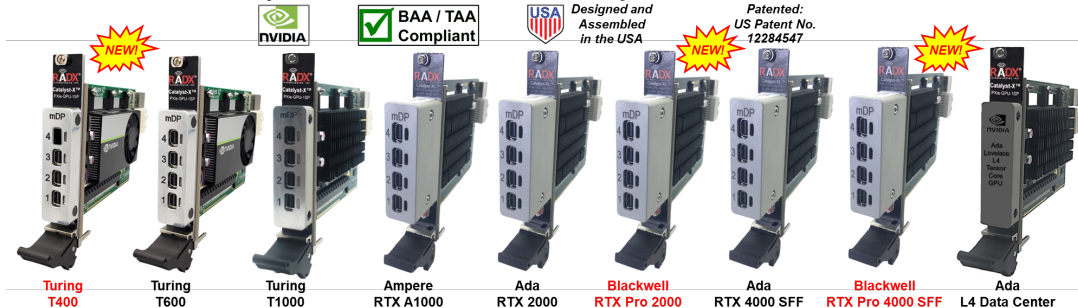
PXle-GPU-BWRTXPro2k-16GB-1SP  
Q226 MSRP: \$9,999



PXle-GPU-BWRTXPro4kSFF-24GB-1SP  
Q226 MSRP: \$12,999

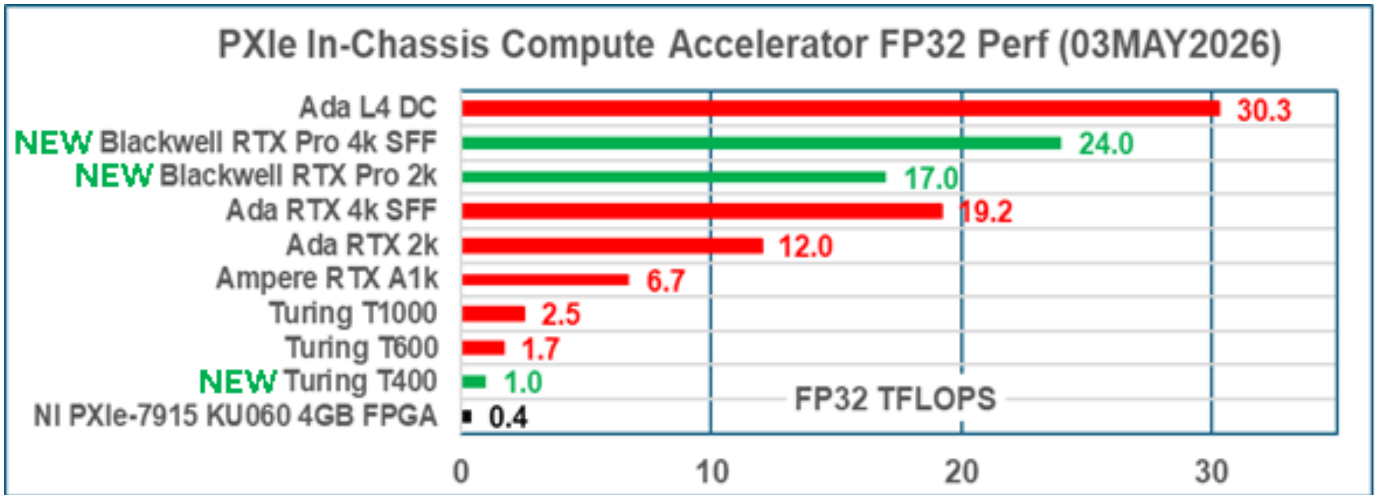
“Our new Blackwell-based products help fill out the Catalyst PXle-GPU lineup by closing the performance gap between our Ada-based RTX 2000 and RTX 4000 SFF based PXle-GPUs and our flagship L4 Data Center PXle-GPU,” said Ross Q. Smith, RADX Co-Founder and CEO. “Plus, the new features like enhanced compression and decompression enable new applications for PXle systems, such as advanced, air-gapped LLMs like Gemma 4, for the first time.”

## RADX COTS Catalyst In-Chassis PXle-GPU Q226 Family – Based on NVIDIA Professional GPUs



# RADX Announces New Catalyst PXIe-GPUs Based on NVIDIA Blackwell RTX Pro GPUs at NI Connect 2026

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“The capabilities of the new Blackwell-based RTX Pro 4000 SFF PXIe-GPU is rivaled only by the RADX’ L4 and Orca eGPUs,” said Natan Biesmans, CEO of G2CPU. “The RTX Pro 4000 SFF sustains over 7.0 GB/Sec or 1.77 GSPS of 32-bit I/Q from the PXIe-8881 to the PXIe-GPU in LabVIEW / G2C)U with about 20% more headroom than the Ada-based RTX 4000 SFF, which is quite remarkable in a Gen 3 PXIe System.”

**GPU Performance Demo V2.0**

Powered by G2CPU  
 TDMS File: D:\100khz2tones\_p5hz\_same\_power-long-2 (fast) - Copy (2).tdms  
 Group: vst Channel: iq  
 Channel Size: 375M Samples

New RADX Catalyst PXIe-GPU-RTXPro4kSFF-24GB Running G2CPU Perf Demo Delivers 1.77 GSPS, 7.12 GB/Sec with 1M Point FFT (1.7 kFFTs/Sec) and an RBW of 238 mHz in PXIe Gen 3 System: 91x Higher than PXIe-8881.

**Throughput Speedup 91x**

**FFT Rate Speedup 1x**

FFT Presets: 1M

Load File

Continuous GPU  Run

CPU to GPU Datarate: 7.12GB/s

GPU Throughput: 1.772GS/s

GPU Equivalent FFT Time: 592us

Continuous CPU  Run

CPU Throughput: 15.422MS/s

CPU Equivalent FFT Time: 742us

GPU FFT Done Elapsed Time: 0.106s RBW: 238.419mHz Fs: 99.897Hz Throughput: 1772MS/s FFT Rate: 1.69kFFT/s

CPU FFT Done Elapsed Time: 7.815s RBW: 15.625Hz Fs: 93.75Hz Throughput: 25MS/s FFT Rate: 1.544kFFT/s

64°F Partly sunny 11:38 AM 5/7/2026

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**EASE-OF-PROGRAMMING VIA LABVIEW, PYTHON, C/C++ AND MATLAB** - With their intrinsic ease-of-programming, NVIDIA GPUs are the most popular compute accelerators in the world, with millions of developers using NVIDIA GPUs to accelerate their applications. Catalyst PXIe-GPUs offer the same ease-of-programming, since they are essentially NVIDIA Pro SFF GPUs repackaged for PXIe using RADX' patented Catalyst-X technology (US Patent No. 12284547). RADX PXIe-GPUs employ NVIDIA CUDA®, OpenCL®, TensorFlow® and Vulkan® for compute acceleration of Python and C/C++, MATLAB™, LabVIEW™, PyTorch™, Ansys™, FFmpeg, and other frameworks, which can dramatically reduce development time and costs for use under Windows and Linux.



For LabVIEW, RADX PXIe-GPUs are supported by toolkits from G2CPU ([www.g2cpu.com](http://www.g2cpu.com)), NGENE (<http://www.ngene.co>) and Graipic (<https://graipic.io/>), which enable direct programming from within LabVIEW for signal, image & video processing, data science and AI under Windows and Linux.

For real-time, wideband signal and image processing applications in PXIe Systems under Windows, Linux and Real-Time Linux, G2CPU uniquely provides optimized I/O support for popular NI PXIe digitizers, VSTs and video capture modules using Zero Copy, Async I/O and other advanced techniques that are essential for high-performance applications.

**PRICING AND DELIVERY** - These new PXIe-GPUs are single-slot, passively cooled, PCIe Gen 4 x8 modules with 4 x miniDP 2.1b 8k outputs, US COO, BAA/TAA Compliance and an ECCN of 4A994.L. Pricing and delivery is shown below. For more info, visit [www.radxtech.com](http://www.radxtech.com).

RADX P/N	Integrated NVIDIA Pro RTX SFF GPU	PXIe Slots & TGP	GDDR7 / GB/Sec	CUDA / RT / Tensor Cores	FP32 / TF32 TFLOPS	mDP 2.1 Out	NVENC / NVDEC	COO / ECCN	BAA / TAA	Q226 MSRP & Lead Time (FOB SJC)
<b>PXIe-GPU-BWRTXPro2k-16GB</b>	Blackwell RTX Pro 2000	1 Slot @ 70W	16 GB / 288 GB/Sec	4,352 C / 34 x G4 RT / 136 x G5 T	17.0 FP32 / 110.0 TF32	4	1 x G9 / 1 x G6	US / 4A994.L	Yes	\$10,999 / ~30 to ~45 Days ARO
<b>PXIe-GPU-Ada-BWRTXPro4kSFF-24GB</b>	Blackwell RTX Pro 4000 SFF	1 Slot @ 70W	24 GB / 432 GB/Sec	8,960 C / 70 x G4 RT / 280 x G5 T	24.0 FP32 / 155.0 TF32	4	2 x G9 / 2 x G6	US / 4A994.L	Yes	\$12,999 / ~30 to ~45 Days ARO

**DEMOS AT NI CONNECT 2026** – RADX will demo the new Blackwell-based PXIe-GPUs along other RADX PXIe Modules in Booth #K139 at NI Connect in Fort Worth, TX, 10-12MAY2026. At NI Connect, RADX will show the G2CPU (<https://www.g2cpu.com/>) RTSA Toolkit featuring PXIe-GPU accelerated, LabVIEW-based, real-time signal analysis, record and playback with lossless real-time compression. In addition, RADX will demo PXIe-GPU accelerated Computer Vision by Acquired Data Solutions (<https://acquiredata.com/>), with Local, Air-Gapped PXIe-based LLM-based control by Extreme Scale Solutions (<https://www.extreme-scale.com/>).

**ABOUT RADX** – Founded in 2011, RADX Technologies ([www.radxtech.com](http://www.radxtech.com)) is a US-based, high-tech small business that develops and manufactures advanced, COTS, High Performance Computing (HPC) products for Modular Test and Measurement (T&M) applications. RADX is an NI Alliance Partner and RADX products are designed and assembled in the USA, are BAA / TAA compliant and are available from RADX directly, from TestMart ([www.testmart.com](http://www.testmart.com)) for USG / GSA purchases, and from qualified PXIe system integrators and value-added resellers worldwide.



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