

RADX Announces New, Low-Cost, NVIDIA-Based, PXIe-GPU-T400 to Address Windows 11 Security Issues in PXIe Embedded Controllers with EOL IGPUs

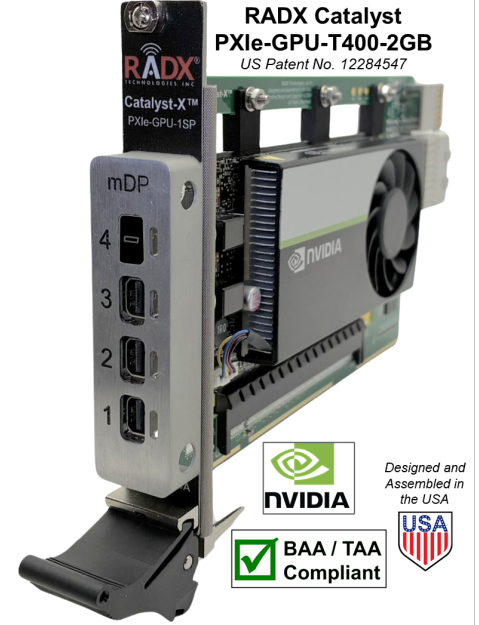
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New \$2,499 PXIe-GPU-T400 Enables Popular NI & Keysight PXIe Embedded Controllers to Maintain Strict Windows 11 Security While Providing Enhanced GPU Performance

RADX New, Low-Cost PXIe-GPU-T400 Addresses Windows 11 Security Issues in PXIe Embedded Controllers with EOL IGPUs 12MAY2026 V1.4.doc

TUESDAY, 12MAY2026, FT. WORTH, TX - RADX Technologies, Inc. (“RADX”), a leader in COTS, high-performance, computing technologies and products for modular Test & Measurement (T&M), today announced the **Catalyst PXIe-GPU-T400-2GB-1SP**. Priced at \$2,499, the PXIe-GPU-T400 provides a cost-effective solution for addressing important Windows 11 security incompatibilities and vulnerabilities affecting PXIe Systems with Embedded Controllers (ECs) equipped with End-of-Life (EOL) AMD and Intel Integrated Graphics Processing Units (IGPUs) that feature Windows Driver Software that is no longer supported and is End-of-Service (EOS).

BACKGROUND - With its high performance, software-defined architecture, broad industry support and long-life-cycle support, PXIe Systems are now the most popular modular T&M platform in the world. As PXIe Systems transition to Windows 11, the EOL/EOS IGPUs in popular PXIe Embedded Controllers preclude the operation of Memory Integrity (Hypervisor-Protected Code Integrity - HVCI) and Core Isolation features that implement Virtualization-Based Security (VBS) to prevent malware from accessing high-security processes. Windows 11 Memory Integrity / Core Isolation is directly applicable to NIST SP 800-171 Requirements and CMMC 2.0 Practices CM-6, SI.L2-3.14.1, SC.L2-3.13.11 and AC.L2-3.1.2. To use these EOL/EOS IGPUs, PXIe System users must either disable Windows 11 Memory Integrity, risking potential cybersecurity attacks and NIST SP 800-171 / CMMC 2.0 Compliance, or they must disable the EOL/EOS IGPUs and downgrade to low-resolution, Standard Microsoft Display Drivers, which are unsuitable for T&M applications that require multiple monitors, complex GUIs, high-res graphics, video or compute acceleration. Known security vulnerabilities associated with EOL/EOS IGPUs in NI PXIe-8881, Keysight M9038A and Keysight M9035A Embedded Controllers are shown below:



| EC | Integrated GPU / Driver | Vulnerability / Issue Description | Windows 11 Security Impact | Severity |
|-----------------|--|---|---|----------|
| NI PXIe-8881 | AMD Radeon E6465 (Driver: atdcm64a.sys) | Microsoft Driver Blocklist Flag: The native AMD driver contains unpatched privilege escalation risks. | To use the display without crashing, users must disable Memory Integrity or the Vulnerable Driver Blocklist. | High |
| Keysight M9038A | Intel UHD Graphics 630 (Driver: igdkmd64.sys) | Improper Access Control: Legacy generations of Intel IGPU drivers contain local access flaws. | Allows an authenticated local attacker to cause denial of service (DoS) or execute unauthorized code. | Medium |
| Keysight M9035A | Intel HD Graphics 530 / 630 (Driver: igdkmd64.sys) | Intel Graphics Driver Vulnerabilities: Susceptible to common local privilege escalation vectors found in older Intel DCH driver packages. | Requires strictly controlled driver updates to patch, which IT departments frequently delay to prevent breakages. | Medium |

PXIe-GPU SOLUTION – Disabling the EOL/EOS IGPUs in Embedded Controllers and adding a RADX Catalyst PXIe-GPU to PXIe Systems enables full compliance with Windows 11 Security. In addition, users may realize multi-monitor display, 2D/3D graphics, video and compute benefits that are intrinsic to modern NVIDIA GPUs. Catalyst PXIe-GPUs are COTS NVIDIA Professional PCIe GPUs re-packaged for PXIe via RADX’ patented Catalyst-X™ technology (U.S. Patent 12,284,547). Accordingly, Catalyst PXIe-GPUs use NVIDIA standard, fully compliant, WHQL-signed, enterprise drivers that natively support Windows 11 Virtualization-Based Security (VBS) and Windows 11 Memory Integrity, Vulnerable Driver Blocklist, and Kernel DMA Protections - without affecting their PXIe system’s operation.

“Windows 11 VBS is an important defense against kernel-level malware. Disabling this protection to use obsolete components and drivers may be understandable in the short term, but it’s likely not a viable long-term security approach for sensitive systems or CMMC 2.0 compliance, said Leighton Johnson, CMMC LCCA, CISA, CISSP and Director of Cybersecurity at Acquired Data Solutions. “Where possible, organizations should remove unsupported drivers to eliminate known vulnerabilities by employing current hardware and authenticated drivers.”

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ABOUT THE PXIe-GPU-T400 - Based on the NVIDIA T400 and priced at \$2,499 (with free shipping in the USA), the PXIe-GPU-T400 is the lowest-cost member of the Catalyst Family of COTS PXIe-GPUs (www.radxtech.com/pxie-gpus). With its aggressive price, T400 provides a cost-effective solution for addressing Windows 11 Security Issues associated with EOL/EOS IGPU in PXIe Embedded Controllers and enables users to maintain good cybersecurity hygiene and pass strict cybersecurity audits, while preserving their investments in PXIe-based instrumentation. The PXIe-GPU-T400 has a ~30-day ARO lead-time and is available directly from RADX (info@radxtech.com), qualified VARs and System Integrators and via TestMart (sales@testmart.com) for US Government related Purchases.

The PXIe-GPU-T400 supports up to 3 high-res monitors and provides superior 2D/3D graphics and video when compared to IGPU. In addition, the T400 supports entry level NVIDIA CUDA and OpenCL-based GPU-accelerated computer vision, signal processing and AI via LabVIEW, G2CPU, Python, PyTorch, MATLAB, LibTorch, C/C++, TensorFlow and similar computing frameworks. Key specs for the PXIe-GPU-T400 include the following items:

- RADX P/N: PXIe-GPU T400-2GB (Single-Slot)
- Q226 MSRP: \$2,499 / ~30 Day ARO Leadtime
- Integrated PCIe GPU: NVIDIA Turing T400 (<https://tinyurl.com/3ybc7ua9>)
- 384 CUDA Cores
- Performance: Up to 1.094 FP32 TFLOPS
- GDDR6: 2GB, 64-bit, up to 80 GB/s
- PXIe I/F: Gen 3 x8 / GPU PCIe I/F: G3 x16
- NVENC/NVDEC: 1 x G5 NVENC HW Video Encoder and 1 x G4 NVDEC HW Video Decoder
- 3x MiniDP 1.4a with 5120 x 2880 @ 60Hz ~35W TDP – works in ANY PXIe Chassis
- Supports Windows 11, Linux, RT Linux (via G2CPU),
- Supports DirectX 12.0, OpenGL 4.6, Vulkan 1.2, and CUDA Compute Capability of 7.5 and CUDA 11 or later
- 1 Year RTF Warranty

“All RADX DisplayPort-enabled Catalyst PXIe-GPUs address the EOL/EOS IGPU Windows 11 Security Issues,” said Ross Q. Smith, RADX Co-Founder and CEO. “We created the T400 as an especially affordable option so organizations of all sizes can afford to add PXIe-GPUs to their systems and remain secure, while enjoying NVIDIA-accelerated multi-monitor, high-res graphics, video and entry-level GPU acceleration for signal processing, computer vision and AI.”

DEMOS AT NI CONNECT

RADX will demo Catalyst PXIe-GPUs and Venturi PXIe-SSDs in RADX 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 Transform-CV Computer Vision by Acquired Data Solutions (<https://acquiredata.com/>), combined with Local, Air-Gapped PXIe-based LLM AI-based control by Extreme Scale Solutions (<https://www.extreme-scale.com/>).

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

Resolution Comparison: 1280 x 1024 vs 1920 x 1080

More screen real estate. More data visible. Better user experience.

Standard Windows Display Driver 1280 x 1024 (5:4)

1,310,720 pixels

RADX Catalyst PXIe-GPU-T400-2GB 1920 x 1080 (16:9)

2,073,600 pixels (58% more pixels)

✘ 1280 x 1024 (Windows Display Driver)

- Less space for your data and controls
- More scrolling and fewer points visible on graphs

✔ 1920 x 1080 (PXIe-GPU-T400)

- 58% more pixels – see more data at once
- Wider graphs show more detail and data points
- More room for controls, measurements, and tables
- Improved productivity and reduced scrolling

58%

MORE PIXELS

| | | |
|------|---|------|
| 1280 | x | 1024 |
| 1920 | x | 1080 |

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