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NEWS RELEASE

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Richardson RFPD Announces Peraso EVK-PRM2146X-D Evaluation Kit for Rapid Development of Dual-Polarized 60 GHz Wireless Systems

Featuring the PRM2146X-D, a dual-polarized Perspectus™ module enabling seamless polarization switching for enhanced performance in mobile and changing network environments

DOWNERS GROVE, Ill. (July 27, 2026) – Richardson RFPD, Inc., an Arrow Electronics company, today announced the availability of the [EVK-PRM2146X-D Evaluation Kit](#) from **Peraso Inc.**, providing engineers with a convenient platform to evaluate and develop high-performance 60 GHz wireless systems based on Peraso's latest dual-polarized phased-array technology.

The [EVK-PRM2146X-D](#) centers on the **PRM2146X-D**, the first module in Peraso's Perspectus™ family to offer dual-polarization capability. Designed to support dynamic wireless environments, the module enables seamless switching between horizontal and vertical polarization during operation, helping maintain reliable connectivity in applications where antenna orientation may change due to mobility.

The evaluation kit includes everything needed to quickly begin testing and prototyping:

- PRM2146X-D dual-polarized 60 GHz module
- PER6145 adapter board
- Heatsink
- Power supply
- Tripod mount for simplified laboratory setup

The PRM2146X-D is powered by Peraso's **X720 IEEE 802.11ad 60 GHz phased-array chipset**, which combines a baseband processor with a high-power mmWave beamforming transceiver. The integrated **PRS1165 RFIC** features 16 RF chains and supports all six WiGig-defined channels, enabling high-throughput wireless communications across the 57 GHz to 71 GHz frequency band.



The PRM2146X-D combines an integrated 8-element dual-polarized phased-array antenna with Peraso's PRS4601 B2E baseband processor, delivering complete IEEE 802.11ad functionality for point-to-point and point-to-multipoint applications. Supporting the full 57–71 GHz band and utilizing a USB 3.0 interface for data and control, the module enables rapid evaluation and development of high-speed 60 GHz wireless systems in dynamic networking environments.

Visit richardsonrfpd.com to explore Peraso's [EVK-PRM2146X-D](#) evaluation kit.



About Richardson RFPD

Richardson RFPD, an Arrow Electronics company, is a global leader in the RF, wireless, and power technologies markets. It brings relationships with many of the industry's top radio frequency and power component suppliers. Whether it's designing components or engineering complete solutions, Richardson RFPD's worldwide design centers and technical sales team provide comprehensive support for customers' go-to-market strategy, from prototype to production. More information is available online at richardsonrfpd.com. To browse and subscribe to Richardson RFPD's email newsletters, [click here](#).

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