

At AOC 2019, Teledyne Paradise Unveils New 4kW X-band Pulsed SSPA for Upgrading Aging Radar Technology Platforms

New SSPA is ideal for Defense-related applications, especially Naval shipboard requirements

STATE COLLEGE, PA – Oct. 28, 2019 – [Teledyne Paradise Datacom](#) (Paradise), part of the [Teledyne Defense Electronics Group](#), is unveiling a new Pulsed Radar SSPA (solid state power amplifier) that is designed for Operators of defense-related tactical radar systems.

For more information, visit **Teledyne booth 711** this week at the annual AOC Symposium in Washington, DC.

The solid state technology provides an ideal pathway for customers seeking to upgrade or replace their existing legacy radar platforms with a newer generation of technology, one that delivers superior SWaP, power density, scalability, and performance over a longer life cycle. Additionally, it reduces the risk of complete loss of service for the Operator.

Importantly, the new [4kW X-band SSPA](#) is configurable to meet diverse radar platform requirements, and scalable either up or down to effectively address other power levels as desired. It provides operators of legacy TWT, Magnetron, or Klystron-based platforms with a starting point for upgrades.

This GaN-based SSPA delivers a very high power density that makes it a perfect fit for radar applications deployed for navigation, targeting, and tracking purposes.

“Paradise has a distinguished history developing cutting-edge SSPA technologies, and this advancement is laser-focused on the emerging needs of many OEMs in the defense industry,” said Mike Towner, Senior Director of Sales and Marketing for Paradise. “The power levels and frequency band make this SSPA a natural fit for aging pulsed radar application platforms, and its flexibility and scalability are unsurpassed.”

While the 4kW X-band SSPA is ideal for various defense environments, it can also be deployed to address similar user needs in the fields of commercial navigation and weather or air traffic control radar systems.

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About Teledyne Paradise Datacom

Teledyne Paradise Datacom designs, manufactures and sells satellite modems, solid state power amplifiers (SSPA), low noise amplifiers (LNA), block up converters (BUC) and associated redundancy subsystems. We deliver satellite communications products around the world and have unparalleled experience in satellite communications products. At Paradise, we focus on creating significant product differentiators and innovative architectures in order to make ourselves the supplier of choice in the satcom industry. www.paradisedata.com.

About Teledyne Defense Electronics

Serving Defense, Space and Commercial sectors worldwide, Teledyne Defense Electronics offers a comprehensive portfolio of highly engineered solutions that meet your most demanding requirements in the harshest environments. Manufacturing both custom and off-the-shelf product offerings, our diverse product lines meet emerging needs for key applications for avionics, energetics, electronic warfare, missiles, radar, satcom, space, and test and measurement. www.teledynedefelec.com. TDE is a business unit of Teledyne Technologies, Inc., a leading provider of sophisticated instrumentation, digital imaging products and software, aerospace and defense electronics, and engineered systems. www.teledyne.com.

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