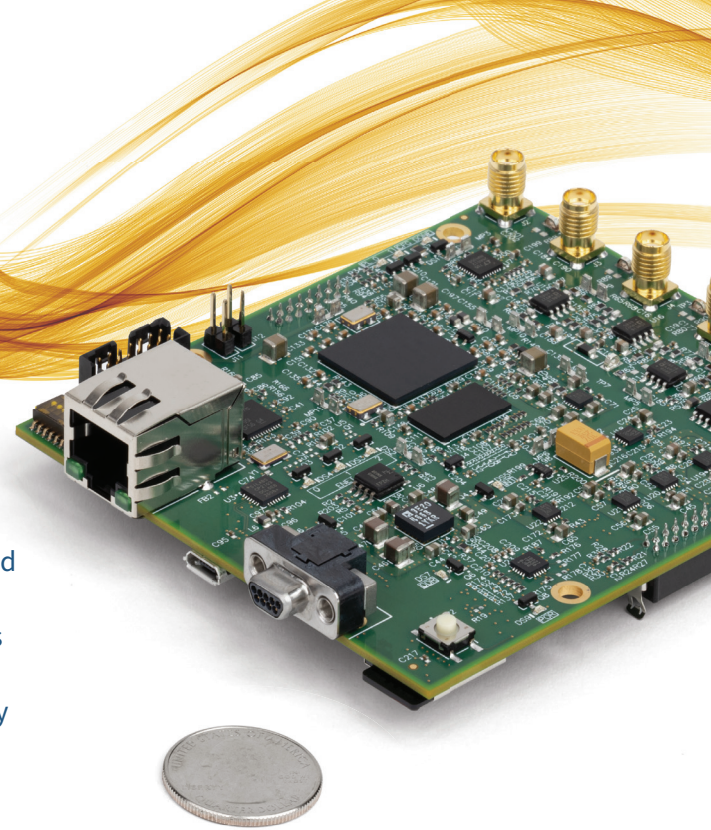




# POWER WHATS POSSIBLE

**Epirus is an industry leading aerospace and technology company which creates solid-state, human safe electronic enhancing and disruptive capable products and solutions.**

By combining the best talent across aerospace, defense and silicon valley with seasoned combat veterans, we have bridged the gap between technical and tactical. With our foothold in the defense industry, we've invented directed energy systems that surpass current capabilities. With this innovation, we are redefining modern day power systems to increase the velocity of change for our customers. Epirus is headquartered in Los Angeles, CA, with a satellite office in Tysons, VA.



## **Epirus SmartPower™ Innovation at the Core**

SmartPower is machine intelligence for the next generation of energy and power management. Epirus' innovation utilizes Machine Learning (ML) to control Gallium Nitride (GaN) amplifiers to target and disable asymmetrical threats. Epirus SmartPower, the nucleus of our innovation, is revolutionizing power efficiency to support a wide range of use cases and sectors. SmartPower can automatically calibrate the GaN power AMPs, algorithmically control advanced AMP management, and optimize the RF power output to reduce thermal and power consumption—resulting in significant efficiencies in output and consumption.

With SmartPower, you can push power to its upper limits without risking system failures or reduce power use to a trickle; enabling unparalleled control over power utilization.

# EPIRUS SOLID-STATE HPM PRODUCTS

**Epirus** has developed a line of Counter-UAS products to defend against that growing threat. Counter-UAS systems use directed-energy; with the power and precision to disable multiple threats across a wide area or neutralize a single system in tight, crowded spaces. Epirus solid-state HPM products use software-defined, high-power microwave to disable electronic targets, delivering unparalleled control and safety to operators. These products can be used for a multitude of mission sets including Counter-UAS, Vehicle Interdiction (VI), Maritime Interdiction (MI), Force Protection and many others.

## Leonidas

**Leonidas** takes the traditional HPM design from a box car to a pickup truck, enabling better maneuverability as well as the ability to be vehicle mounted or rapidly towed into the field of action. It operates very efficiently at low temperatures, eliminating the need for large cooling solutions and enabling system use within minutes of powering up.



Digital beamforming enables pinpoint accuracy so that operators disable threats...and nothing else. The system fires at a high rate per second in precision fire or swarm modes to disable any threat without reloading, providing deep magazines of ammo on targets. All Leonidas leverage the latest solid-state technology from Epirus to dramatically reduce the size, weight and power of the high-power microwave (HPM) weapon.

## Leonidas Pod

**Leonidas Pod** is a compact, solid-state HPM that can be easily vehicle or drone mounted to offer maximum portability and rapid deployment. With this unique form factor, flexible mounting system, and open control architecture, Leonidas Pod goes wherever you need it to go.



Leonidas Pod is a light, tactical, multi-use system able to be deployed defensively for munitions depot, convoy, and base protections, safe take-off and landing missions, and aircraft self-protect missions.

The Pod delivers a flexible, rapidly deployable capability that can be scaled to meet varying levels of enemy threats.

## Key Benefits

**Swarm Defeat:** Allows for simultaneous targeting and neutralization of multiple UAS at distance.

**Precision Strike:** Beam steering optimizes power on target and prevents blue force electronic fratricide.

**Interoperability:** Open system architecture enables integration with multiple users existing command-and-control (C2) systems for mission support.

**Multiple Use Cases:** Our HPM technology has application across a wide range of mission sets.

**Safe Operational Environment:** Low operating voltages prevent harmful unintended emissions to system operators.