

NUWAVES ENGINEERING INTRODUCES OUR NEW LINE OF CYBERSECURITY PRODUCTS

Middletown, Ohio, November 20th, 2020 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, announces the release of our new Cybersecurity line of products, Vegas-S (NW-1553-DD-VS01) and Vampire (NW-1553-ML-VA01). Through an Information Transfer Agreement (ITA) with the Air Force Research Laboratory (AFRL), NuWaves offers AFRL developed technologies in two ruggedized hardware designs.

NuWaves’ Vegas and Vampire products offer users hardened security for their MIL-STD-1553 data bus systems. With use of the Vegas data diode, users may isolate the main MIL-STD-1553 avionics bus from bus monitors or systems under test for enhanced safety of flight. Supporting two independent MIL-STD-1553 channels (‘A’ and ‘B’), Vegas-S provides control of data flow over the avionics bus, thus protecting the bus from malicious traffic, LRU failures, voltage transients, and more. The Vampire product builds upon the data diode function while also adding data recording (via internal SD card) and monitoring capabilities. Users benefit from enhanced capabilities for anomaly detection, predictive maintenance, reverse engineering, or using the module for support of a secondary display for analysis of bus health during flight. Decoded MIL-STD-1553 data is converted for transfer over Ethernet, allowing users to analyze data via AFRL developed software (provided with purchase) or many off-the-shelf data analysis tools.

“It is exciting to see the use cases of these products in the field and know that they are helping to improve cyber resiliency and reduce cyber threats in military aircraft and other military systems, said Jeff Wells, President and CEO of NuWaves Engineering. “The NuWaves’ team takes pride in our ability to support our clients with best-in-class military solutions, rapidly fulfilling the ever-changing needs of the Warfighter.”

NuWaves Engineering is a veteran-owned, premier supplier of RF and Microwave solutions for Department of Defense (DoD), government, and industrial customers. An RF engineering powerhouse, NuWaves offers a broad range of design and engineering services related to the development and sustainment of key communications, telemetry and electronic warfare systems, as well as a complete line of commercially available RF products. NuWaves’ products include wideband frequency converters, high-efficiency and miniature solid state power amplifiers and bidirectional amplifiers, high intercept low noise amplifiers, miniature RF filters, and cybersecurity products for avionics data bus systems. NuWaves Engineering...Trusted RF Solutions™.

The Vegas and Vampire products are available for purchase immediately. Please contact the Products Solutions team at (513) 360-0800, product.solutions@nuwaves.com, or visit www.nuwaves.com for more information.



Vampire



Vegas-S

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