



NEWS RELEASE

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Curtiss-Wright Safety-Certifiable COTS Modules for Avionics Featured in Demonstration of HENSOLDT's Mission Computer at Aviation Electronics Europe

HENSOLDT's new Configurable Safety-Certifiable Mission Computer supports aviation safety standards DO-254 and DO-178C up to DAL B with Curtiss-Wright OpenVPX™ Modules and CoreAVI® Graphics Drivers

AVIATION ELECTRONICS EUROPE 2017, Munich, Germany (Booth #J5) – April 25, 2017 – Curtiss-Wright's Defense Solutions division today announced that a demonstration of its COTS-based [DO-254 safety-certifiable single board computer \(SBC\), graphics, and I/O solutions](#) will be featured in its booth (#J5) during Aviation Electronics Europe 2017. The demonstration will highlight HENSOLDT's new [Configurable Safety-Certifiable Mission Computer](#) for avionics applications.

HENSOLDT's rugged mission computer, which can be certified to aviation safety standards DO-254 and DO-178C up to DAL B, features Curtiss-Wright's COTS OpenVPX processor, I/O, and graphics module building blocks. For avionics applications that require graphics, such as digital moving maps, the Configurable Safety-Certifiable Mission Computer supports Curtiss-Wright's 3U safety certifiable OpenVPX graphics and video modules: the [VPX3-718](#) which is based on the AMD Radeon™ E4690 GPU and the [VPX3-719](#) which is based on the AMD Radeon E8860 GPU. The rugged VPX3-718/719 modules are designed for use on deployed airborne and ground vehicle platforms and meet the long lifecycle availability required for military programs through use of a suite of CoreAVI software drivers supported with 20-year component supply program.

The mission computer is organized into safety certifiable and non-safety certifiable segments. The safety certifiable segment includes Curtiss-Wright's DO-254 certifiable VPX3-150 SBC which features an NXP Power Architecture® QorIQ™ P5020 processor. The non-safety certifiable segment features Curtiss-Wright's VPX3-1220 3U VPX SBC, powered by a 7th Generation Intel® "Kaby Lake" Xeon® processor. (Note: The demo system features the 4th Gen Intel Core™ i7 (Haswell)-based VPX3-1258 SBC, as the VPX3-1220 is scheduled to ship later this year). The mission computer also includes Curtiss-Wright's [VPX3-611 DO-254 Certifiable MIL-STD-1553B and ARINC 429 I/O module](#).

“We are seeing increased requirements from our customers for cost-effective, reliable avionics solutions that support safety-certifiability for DO-254 and DO-178C,” said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. “HENSOLDT’s Configurable Safety Certifiable Mission Computer provides a great example of how COTS building blocks can reduce costs and speed the development of these critical systems.”

Curtiss-Wright’s rugged SBCs, I/O, and graphics modules are designed for use in size, weight, power and cost (SWaP-C) constrained aerospace and defense systems. As shown in HENSOLDT’s mission computer, use of these safety certifiable cards can greatly speed the deployment and certification of critical manned and unmanned airborne Safety-Certifiable systems.

Sales inquiries: Please forward all Sales and reader service inquiries to ds@curtisswright.com.

For more information about Curtiss-Wright’s Defense Solutions division, please visit www.curtisswrightds.com.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 8,000 people worldwide. For more information, visit www.curtisswright.com.

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