NEWS RELEASE

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Contact: John Wranovics
M: 925.640.6402
jwranovics@curtisswright.com

Curtiss-Wright Introduces Versatile Multi-Standard 20 Port 1/10/40 Gigabit Ethernet Switch Module for Deployed VPX Systems

New VPX3-655 3U OpenVPX™ module delivers highly configurable intra- and inter-system network connectivity with 10GBASE-T and 1G/10G/40G-KX/-KR backplane interfaces

ASHBURN, Va. – July 19, 2021 – Curtiss-Wright's Defense Solutions division, a trusted, proven supplier of rugged networking solutions, has announced the newest addition to its family of Modular Open Systems Approach (MOSA)-based network switches with the introduction of the VPX3-655, the industry's first 3U OpenVPX Ethernet switch module to provide up to 20 high-speed Ethernet ports. The VPX3-655 is ideally suited for today's highly connected, size, weight, and power (SWaP)-constrained systems. This versatile open standards-based switch module provides system designers with the flexibility to architect Ethernet connectivity both within the chassis and externally to other destinations on the platform. It's versatility also includes support for a wide range of Ethernet data rates, including 100Mbps, 1Gbps, 10Gbps and 40Gbps Ethernet connections. It delivers backplane connectivity at the highest speeds (1/10/40GbE), while also supporting external 10GBASE-T connectivity via low-cost twisted pair Ethernet cable. The VPX3-655 is designed for use in converged processing systems that provide high-speed 10G or 40G network links between processors and also require flexible high-speed connectivity to external sensors, datalinks, and other systems. The module also provides Multicast support to ensure efficient data distribution.

"The VPX3-655, our first Ethernet switch module to combine high-speed internal connectivity with a large number of external 10GbE ports using low-cost twisted pair cabling, represents our commitment to bringing the highest performance, most flexible, cost effective network solutions to deployed platforms," said Chris Wiltsey, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions. "Every day we see increasing demand for more computing performance, with

requirements for faster sensor and network interfaces along with higher levels of security. The VPX3-655 meets these needs with a cost-effective MOSA design while enabling the 10 and 40 gigabit network speeds required by next generation applications such as sensor fusion and situational awareness."

The VPX3-655 is especially compelling for C5ISR system designers that require external BASE-T interfaces to support Ethernet connectivity in systems aligned with The Open Group's Sensor Open Systems Architecture (SOSA™) Technical Standard. Because it is pin-compatible with earlier 1G/100Mbps Ethernet switches, including Curtiss-Wright's VPX3-652 and VPX3-685, the VPX3-655 brings 10GbE connectivity to legacy systems while maintaining compatibility with lower speed connections. With its twelve ports that support 10GBASE-T / 1000BASE-T, the module eliminates the need for separate media conversion.

The VPX3-655 is available now, with initial customer shipments currently underway.

A Fully Featured, Fully Managed, Secure Network Switch

The rugged air-cooled or conduction-cooled VPX3-655 module provides a fully managed multi-layer Ethernet switching solution. Its integrated switching software includes an extensive feature set for monitoring and enforcing traffic policies, creating advanced network architectures, and controlling managed switch security requirements such as disabling non-essential services. Secure management interfaces include a powerful command line interface, SNMP, and web-based options. In-band management and networking features provide support for both IPv4 and IPv6. Curtiss-Wright delivers regular networking software maintenance updates to address emerging threats.

Curtiss-Wright Standards-Compliant VPX Hardware

Curtiss-Wright offers a broad complement of solutions, including high-performance SBC, DSP, GPGPU, A-PNT timing, and switch modules. The VPX3-655 connects via 10G and 40G backplane Ethernet to processors such as the VPX3-1260 and CHAMP-XD1, and can connect to FPGA-based products such as the VPX3-534. System integrators are encouraged to contact Curtiss-Wright at ds@curtisswright.com to discuss our wide range of rugged embedded modules.

The Open Standards Leader

Curtiss-Wright is a leading contributor to the VITA Standards Organization (VSO), which oversees the definition of the OpenVPX, XMC, and FMC form factor standards that provide the foundation of important emerging technical standards such as CMOSS and the SOSA™ Technical Standard.

To find out more about this innovative new module, download the VPX3-655 product sheet here.

For additional information, please visit www.curtisswrightds.com, LinkedIn, and Twitter @CurtissWrightDS.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation (NYSE:CW) is a global innovative company that delivers highly engineered, critical function products and services to the Aerospace and Defense markets, and to the Commercial markets including Power, Process and General Industrial. 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 8,200 people worldwide. For more information, visit www.curtisswright.com.

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