

Switching Modules from Curtiss-Wright - A Complete Range of Networking Solutions

**CURTISS -
WRIGHT**

Switches and routers are essential in a connected environment, where operational success depends on efficient data communications between systems and within systems-of-systems.

Curtiss-Wright offers the broadest selection of switching modules available on the market, so you can select the configuration – form factor, interfaces, protocols and features – that matches your requirements.

These solutions come with the quality, reliability and ruggedness you expect from Curtiss-Wright, allowing you to configure your system with confidence.

Curtiss-Wright switches and routers help turn the promise of fully networked defense & aerospace systems into reality. They speed and simplify the integration of powerful network solutions that interconnect chassis, cards, and CPUs.

OpenVPX Ethernet Switches and Routers - Featured Products

Designed for the current generation of VPX™ systems, and compliant with common OpenVPX™ profiles, our 3U and 6U OpenVPX systems offer wire-speed Gigabit Ethernet and 10G Ethernet connectivity for intra-platform switching and secure WAN routing.



PRODUCT	FORM FACTOR	DESCRIPTION	TYPICAL INTERFACES	KEY FEATURES	RUGGED LEVELS*
VPX3-652	3U OpenVPX	Low power Layer-2 managed Gigabit Ethernet switch.	20 Gigabit Ethernet (12 1000Base-T + 8 1000Base-X)	Low power: 11W (typ) Fast boot	AC 0, 100 CC 200, 300
VPX3-683	3U OpenVPX	Managed Gigabit Ethernet switch & router with 10 GbE uplinks and multi-layer services.	24 Gigabit Ethernet (1000Base-X) 2 x10G XAUI	IPv4/IPv6 dynamic routing, multicast	AC 0, 100 CC 200, 300
VPX6-684	6U OpenVPX	Managed Gigabit Ethernet switch & router with 10 GbE uplinks and multi-layer services. Optional security module for VPN and firewall services.	24 Gigabit Ethernet (1000Base-T) 4 x 10G XAUI	IPv4/IPv6 dynamic routing, multicast. Optional security module for VPN, firewall.	AC 0, 100 CC 200
VPX3-685	3U OpenVPX	Gigabit Ethernet secure WAN router with integrated firewall, VPN and IDS/IPS.	20 Gigabit Ethernet (12 1000Base-T + 8 1000Base-X)	FIPS-140-2 and Common Criteria Certified	AC 0, 100 CC 200, 300
VPX3-671	3U VPX	Layer-2 managed Gigabit Ethernet switch with processor mezzanine for VICTORY networking.	12 Gigabit Ethernet (1000Base-T)	VICTORY compliance. ECC memories for radiation resilience.	CC 300

PMC/XMC Switches - Featured Products

Provide SWaP-optimized in-chassis networking with a Gigabit Ethernet mezzanine card.



PRODUCT	FORM FACTOR	DESCRIPTION	TYPICAL INTERFACES	KEY FEATURES	RUGGED LEVELS*
PMC-651	PMC	Managed Gigabit Ethernet switching mezzanine.	8 Gigabit Ethernet (1000Base-T)	Low SWaP – zero slot switch PMC/VMC configurations	AC 0, 100 CC 200
XMC-651	XMC	Managed Gigabit Ethernet switching mezzanine.	8 Gigabit Ethernet (1000Base-T)	Low SWaP – zero slot switch PMC/VMC configurations	AC 0, 100 CC 200

* See Curtiss-Wright's [Ruggedization Table](#)

OpenVPX Fabric and Hybrid Switches – Featured Products

Designed to meet the needs of high-performance processing systems with low-latency and low-overhead fabrics based on RapidIO®, Ethernet and InfiniBand®.



PRODUCT	FORM FACTOR	DESCRIPTION	TYPICAL INTERFACES	KEY FEATURES	RUGGED LEVELS*
VPX6-6802	6U OpenVPX	Hybrid switch combining 40Gbps Ethernet/InfiniBand fabric and Gigabit Ethernet control plane switch	20 10G/40G Ethernet/InfiniBand 16 Gigabit Ethernet (1000Base-X)	Fabric40™ data plane	AC 0, 100 CC 100, 200
VPX6-6902	6U OpenVPX	Hybrid switch combining Serial RapidIO Gen2 fabric and Gigabit Ethernet control plane switch	20 RapidIO 16 Gigabit Ethernet (1000Base-X)	896 Gbps RapidIO fabric	AC 0, 100 CC 200, 300

VME Switches and Routers – Featured Products

Designed to provide fully featured Gigabit Ethernet networking for new VME systems, or to upgrade existing systems.



PRODUCT	FORM FACTOR	DESCRIPTION	TYPICAL INTERFACES	KEY FEATURES	RUGGED LEVELS*
VME-682	VME	Managed Gigabit Ethernet switch & router with multi-layer services.	20 Gigabit Ethernet (1000Base-T)	IPv4/IPv6 dynamic routing, multicast. Optional security module for VPN, firewall.	AC 0, 100 CC 100, 200

Embedded Routers with Cisco IOS™ - Featured Products



As a Cisco Solution Technology Integrator (STI), Curtiss-Wright offers ruggedized networking modules based on Cisco IOS™ technology. Available in multiple form factors, these products offer an extensive set of routing, security and mobility features ideal for connecting deployed systems to wide-area networks.



PRODUCT	FORM FACTOR	DESCRIPTION	TYPICAL INTERFACES	KEY FEATURES	RUGGED LEVELS*
VPX3-621	3U VPX	Cisco ESR 5921 router with advanced IP services.	2 Gigabit Ethernet (1000BASE-T or 1000BASE-X)	Radio-aware routing, IPS/IDS, IPsec VPN with Suite B encryption.	AC 0, 100 CC 200
XMC-620	XMC	Cisco ESR 5921 router with advanced IP services.	4 Gigabit Ethernet (1000BASE-T or 1000BASE-X)	Radio-aware routing, IPS/IDS, IPsec VPN with Suite B encryption.	AC 0, 100 CC 200

* See Curtiss-Wright's [Ruggedization Table](#)