



PRESS RELEASE

X-ES Ships Secure 3U VPX Ethernet Switches and Routers

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Extreme Engineering Solutions, Inc. (X-ES) introduces the [XChange3013](#) and [XChange3018](#) 3U VPX switches and routers. These are secure, non-blocking, high-performance, Gigabit and 10 Gigabit Ethernet networking solutions from X-ES that provide versatile management and routing options, ranging from managed or unmanaged Layer 2 switching to fully featured IP routers with Cisco IOS and Cisco Mobile Ready Net technology. The XChange3018 is the first VPX Ethernet switch to support 10 Gigabit Ethernet using the 10GBASE-T protocol, eliminating the need for 10 Gigabit optical transceivers, which are large, expensive, and not ideal for use in extremely low temperatures or rugged environments.

The XChange3013 and XChange3018 both deliver full wire speed across all of their ports and jumbo packets up to 13 KB. They also support IPv6, Quality of Service (QoS), Energy Efficient Ethernet (EEE), and a comprehensive set of IETF RFCs and IEEE protocols. The XChange3013 and XChange3018 include an XMC site that is compatible with the [XPedite5205](#), which implements Cisco IOS IP Routing capabilities and provides a complete Embedded Services Router (ESR) solution. The XChange3013 supports up to twenty Gigabit Ethernet ports, including fourteen 10/100/1000BASE-T ports and six 1000BASE-X SerDes ports. The XChange3018 supports up to four 10 Gigabit Ethernet ports, which are configurable as either 10GBASE-T or XAUI, as well as twelve Gigabit Ethernet ports divided into six 10/100/1000BASE-T ports and six 1000BASE-X SerDes ports.

The XChange3013 and XChange3018 can be managed through SNMP, as well as with an industry-standard CLI via their serial ports, telnet, or SSH. When configured as a fully managed Layer 2 switch, support for features such as fast boot, flow control, MAC bridging (IEEE 802.1D), port mirroring, port authentication (IEEE 802.1x), VLANs (IEEE 802.1Q), GVRP, MVRP, port and protocol classification (IEEE 802.1v), GARP, MRP, GMRP, MMRP, LACP, RMON, STP, RSTP, MSTP, RPVST+, AgentX, and IGMP are included. When configured as a Layer 3 router, support for Multicast and Unicast Routing features such as DVMRP, IGMP, PIM-DM, PIM-SM, PIM-SSM, MLD, RIP, BGP, OSPFv2/OSPFv3, and VRRP are added.

When paired with the XPedite5205, the XChange3013 and XChange3018 include Cisco IOS IP routing and Cisco Mobile Ready Net capabilities. With this technology, the router provides highly secure data, voice, and video communications to stationary and mobile network nodes across both wired and wireless links. Cisco Mobile Ready Net also includes support for mobile ad hoc networking and radio-aware routing. With the XPedite5205, Cisco IOS security features are also supported, including hardware encryption, firewalls with integrated threat control, zone-based firewalls, Intrusion Prevention System (IPS), content filtering, identity management using Authentication, Authorization, and Accounting (AAA), and Public Key Infrastructure (PKI).

Contact X-ES to find out more about the versatile high-performance XChange3013 and XChange3018 3U VPX Ethernet switches and routers.

XChange3013 datasheet: www.xes-inc.com/assets/products/files/XChange3013-DS.pdf

XChange3018 datasheet: www.xes-inc.com/assets/products/files/XChange3018-DS.pdf

XChange3013 product photo: www.xes-inc.com/assets/photos/content/105223_XChange3013.jpg

XChange3018 product photo: www.xes-inc.com/assets/photos/content/105253_XChange3018.jpg

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