






RUGGED ETHERNET SWITCHES & ROUTERS

Designed and tested to operate under the most demanding environmental conditions

X-ES



Ethernet Switch & Router Cards

					
FORM FACTOR	6U VPX	3U VPX	3U VPX	3U VPX	XMC / PMC
GIGABIT ETHERNET	Up to 12x 10/100/1000BASE-T, Up to 88x 1000BASE-X	14x 10/100/1000BASE-T 6x 1000BASE-X	6x 10/100/1000BASE-T 6x 1000BASE-X	6x 10/100/1000BASE-T	4x 10/100/1000BASE-T
10 GIGABIT ETHERNET	Up to 22x XAUI, Up to 2x 10GBASE-T, Up to 2x 10GBASE-SR	-	4x XAUI or 4x 10GBASE-T	1x XAUI, 3x 10GBASE-T	-
EXPANSION	XPedite5205 Cisco IOS® Router	XPedite5205 Cisco IOS® Router	XPedite5205 Cisco IOS® Router	XMC module	-
MANAGED LAYER 2 SWITCHING	Included	Included	Included	Included	Cisco IOS®
MANAGED LAYER 3 ROUTING	Optional	Optional	Optional	Optional	Cisco IOS®

X-ES provides a comprehensive lineup of secure Gigabit and 10 Gigabit Ethernet switching and routing solutions. These board and system-level products are intended for rugged military and aerospace applications that require maximum security, performance, and capability with minimal Size, Weight, and Power (SWaP).

Extreme Engineering Solutions, Inc. (X-ES), a 100% U.S.A.-based company, designs and builds single board computers, I/O boards, power supplies, backplanes, chassis, and system-level solutions for embedded computing customers. X-ES offers cutting-edge performance and flexibility in design, plus an unparalleled level of customer support and service.

Packaged Ethernet Switches & Routers

XPand6200 Series Systems Utilizing 3U VPX & XMC Modules

			
DIMENSIONS	8.90 in. L x 4.88 in. W x 3.61 in. H	8.90 in. L x 4.88 in. W x 3.61 in. H	8.90 in. L x 4.88 in. W x 3.61 in. H
GIGABIT ETHERNET	20x 10/100/1000BASE-T	12x 10/100/1000BASE-T	8x 10/100/1000BASE-T
10 GIGABIT ETHERNET	-	6x 10GBASE-T	6x 10GBASE-T
EXPANSION	XPedite5205 Cisco IOS® Router	XPedite5205 Cisco IOS® Router	Intel® Core™ i7 Processor, Removable SSD, XPedite5205 Cisco IOS® Router
MANAGED LAYER 2 SWITCHING	Included	Included	Included
MANAGED LAYER 3 ROUTING	Optional	Optional	Optional

XPand6000 Series Systems Utilizing Rugged COM Express & XMC Modules

			
DIMENSIONS	7.70 in. L x 4.88 in. W x 2.10 in. H	7.70 in. L x 4.88 in. W x 2.10 in. H	7.70 in. L x 4.88 in. W x 1.9 in. H
GIGABIT ETHERNET	4x 10/100/1000BASE-T	4x 10/100/1000BASE-T	4x 10/100/1000BASE-T
10 GIGABIT ETHERNET	-	-	-
EXPANSION	-	Intel® Core™ i7 Processor	-
MANAGED LAYER 2 SWITCHING	Cisco IOS®	Cisco IOS®	Cisco IOS®
MANAGED LAYER 3 ROUTING	Cisco IOS®	Cisco IOS®	Cisco IOS®