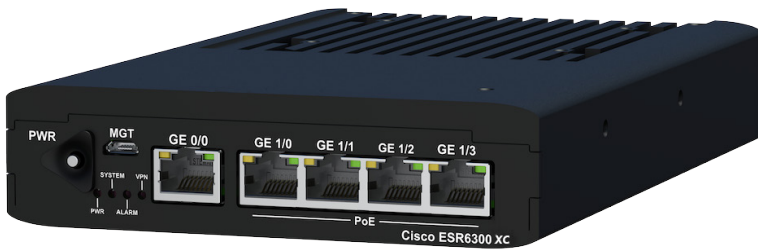


DATASHEET

XC-6300

Cisco ESR 6300 IP Router

The Expeditionary Communications ESR6300 (XC-6300) is a cutting-edge device developed in response to Cisco's launch of the Embedded Service Router 6300. The XC-6300 is a compact, robust, and energy-efficient enterprise class IP router, purposebuilt for operational environments that demand rugged hardware and rely on Cisco's renowned IOSXE operating system for IP packet routing.



The XC-6300 stands out as the smallest ESR6300 device, fitting effortlessly in the palm of your hand. Don't be fooled by its size, as the XC-6300 is a powerhouse, packed with features and designed to excel in industrial and military applications, enduring extreme temperatures, shocks, vibrations, and boasting high MTBF support. Equipped with removable boot media and Cisco's "zeroize" functionality, the XC-6300 is perfect for high-risk overrun scenarios.

Equipped with six Gigabit Ethernet interfaces (two routed and four switched) and powered by the Cisco IOS® XE Software feature set, the XC-6300 ensures

investment protection for customers deploying bandwidth-intensive applications. Its cutting-edge design allows it to handle the demands of modern data and video streams with ease, offering significantly faster cryptographic throughput compared to its predecessors. Experience unparalleled performance and durability with the XC-6300 Module, enabling seamless operations in the most demanding and dynamic environments.

Features

- **(2) Gigabit WAN interfaces and (4) Gigabit LAN interfaces**
- **LAN interfaces offer 802.3at PoE**
- **Wide Range Dirty DC input, 9-32 VDC**
- **Compact design - 1.25" tall by 5" wide by 7.6" deep - less than 3 lbs.**
- **Scales with other XC and HRW modules and chassis solutions**
- **Zeroize Button to reset to factory configuration**
- **Cisco IOS XE license options: Network Essentials or Network Advantage with 50 Mbps, 250 Mbps, or Boost 350 Mbps**
- **SD-WAN capability (optional)**
- **Removable boot media**

Cisco IOS XE

The XC-6300 Module, powered by Cisco IOS XE, delivers top-notch security and enables secure data, voice, and video communications for both stationary and mobile network nodes. Cisco IOS XE boasts high programmability, featuring open and standards-based APIs, along with advanced multilayer security protocols. This module fully supports Cisco's SD-WAN architecture, ensuring scalability, simplicity, and streamlined management. It seamlessly extends the enterprise network to a distributed tactical network deployment, allowing for efficient and secure connectivity across the network.

Sigma Expeditionary Communications Portfolio

The XC-6300 is a crucial addition to the new Expeditionary Communications product portfolio, meticulously engineered to meet the stringent requirements of military, government, and various other industries. These products redefine the possibilities in deployable communications electronics, providing unrivaled performance, durability, flexibility, and scalability in the most challenging environments. Within the XC product family, you'll find the Software Definable Network Appliance™ (SDNA™) XC, XC-6300 Router, the PSU/UPS, along with several other products like RoIP technologies, video encoders/transcoders, high-performance compute for AI/ML applications, and a uniquely designed chassis system.

Expeditionary Communications devices offered include:

- Software Definable Network – Appliances™
- Cisco routers and VPN gateways
- Cisco Ethernet switches
- Juniper SD-WAN solutions
- Power/Uninterruptible power supply
- High performance compute (Intel® Xeon® D and C3000)
- Aruba Mobility controllers
- Haivision video transcoders
- Radio over IP appliances
- Cellular/wireless routers
- Low power/high CPU core NVIDIA based appliances for AI/ML applications

