

DATASHEET

# XC-6300

## Cisco ESR 6300 IP Router

Following Cisco's launch of the new Embedded Service Router 6300, the Expeditionary Communications ESR6300 (XC-6300) device has been developed. The XC-6300 is a small, rugged, low power yet high performance enterprise class IP router targeted at applications where customers seek Cisco's IOS-XE operating system for IP packet routing needs in operational environments that demand rugged hardware. Cisco IOS-XE contains all the original capabilities of the legacy Cisco IOS yet brings the next generation of Cisco capabilities such as SD-WAN functionality and support for cellular modems for WAN transport.



The XC-6300 has been designed to be the smallest ESR6300 product in the market, so small it can fit in the palm of your hand. Although small, the XC-6300 comes packed with capabilities and has been designed to provide a level of ruggedization that is ideal for use in industrial or military applications that demand extreme temperature, shock, vibration and high MTBF support.

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The XC-6300 offers removable boot media as well as Cisco "zeroize" functionality, making it ideal for use in high risk of overrun applications. The XC-6300 IP router has no rival and is the smallest rugged Cisco ESR6300 product available currently.

- 1. Cisco IOS XE, including SD-WAN capability (optional)**
- 2. Wide Range Dirty DC input, 9-32 VDC**
- 3. (2) Gigabit WAN interfaces and (4) Gigabit LAN interfaces**
- 4. LAN interfaces offer 802.3at PoE**
- 5. Small and pocket sized - 1.25" tall by 5" wide by 7.6" deep - less than 3lbs**
- 6. Pairs perfectly with other EC products**

# Our EC products are on the leading edge of what is possible in the deployable communications electronics market.

The XC-6300 is part of the new Expeditionary Communications product portfolio, which has been designed by from the printed circuit board up to meet the demands of military, government, and other industries that require robust, high performance IP networking and IT functionality in the most austere of locations. For customers who need to communicate wherever and whenever, there has never been a product family as small, durable, flexible, and scalable as the EC products. EC products include the Software Definable Networking – Appliance™ (SDN-ATM) EC, XC-6300 Router, the PSU/UPS, and several additional EC products; to include: RoIP technologies, video encoders/transcoders, high performance compute in support of AI/ML applications, and a designed from scratch chassis system.

Our EC products are on the leading edge of what is possible in the deployable communications electronics market. They are smaller, lower power, higher performing, more rugged, easier to use, easier to transport, more flexible in how they can be packaged or kitted, and the most scalable deployable communications in the market today. Instead of settling for the rest of what the market offers, insist on the best of what exists for your tactical edge of network deployable secure communications and computing needs.

## Expeditionary Communications devices offered are:

- Software Definable Networking – Appliances™
- Cisco Ethernet switches
- Juniper SD-WAN solutions
- Power supply/uninterruptable power supplies
- High performance compute (Xeon D and C3000)
- Cisco routers & VPN gateways
- Aruba Mobility controllers
- Haivision video transcoders
- Radio over IP appliances
- Cellular/wireless routers
- Low power/high CPU core NVIDIA based appliances for AI and machine learning applications
- More EC devices will be coming in 2023

