Cisco Embedded Services Routers

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The Cisco® 5915 Embedded Services Router (ESR) is optimized for mobile and embedded networks that require IP routing and services. The Cisco 5915 ESR is designed as a replacement for the Cisco 3200 Series Mobile Access. The flexible, compact, standards-based PCI-104 form factor of this router, complemented by Cisco IOS® Software and Cisco Mobile Ready Net capabilities, provides highly secure data, voice, and video communications to stationary and mobile network nodes across wired and wireless links.

Who Needs Cisco 5915 ESRs?

The Cisco 5915 ESR meets the critical need for on-demand network connectivity for industrial, commercial, military, homeland-security, and emergency-response applications.

Industrial and government solutions require versatile network platforms that deliver:

- High performance in a small form factor
- Portability
- Low power consumption
- Ability to handle harsh environments
- Sophisticated networking capabilities such as quality of service (QoS) to ensure the most important data gets through when links are degraded
- Security to protect the network and the data transmitted over the network
- Remote voice services with Cisco Unified Communications Manager Express (CME)
- Streaming multicast video support

Benefits of Cisco 5915 ESRs

Cisco 5915 ESRs offer the following benefits:

- The Cisco 5915 ESR solves critical size, weight, power, price, performance, and cooling challenges. The router is designed for use in harsh environments—offering reliable operation in extreme temperatures and under shock and vibration conditions typical for heavy industrial and military applications.
- High performance and the rich Cisco IOS Software feature set of the Cisco 5915 ESR provide investment protection for customers deploying bandwidth-intensive applications in mobile or embedded networks in heavy industrial, public safety, transportation, and defense markets.
- Based on PCI-104 form-factor industry standards, a rich ecosystem of existing complementary products exists to facilitate the development of new systems incorporating the new Cisco 5915 ESR. The router allows for flexible integration into system integrator solutions.
- The extensive performance and resources of the Cisco 5915 ESR allow customers to take advantage of future capabilities without replacing hardware.

Cisco 5915 ESR integrator solutions provide remote and mobile connectivity, securely extending enterprise network resources to heavy industrial, public safety, transportation, and defense markets. These highly scalable integrator solutions establish mobile networks for small remote sites, heavy industrial vehicles, first-responder vehicles, armored vehicles, and passenger and freight rail trains.

You can deploy the Cisco 5915 Embedded Service Router in mission-critical mobile communications to take advantage of the Cisco Mobile Ready Net to provide:

- Transparent access of mission-critical voice, video, or data information
- Infrastructure-less networking: Reaching beyond the range of a fixed network
- Self-forming temporary ability: Immediate connection with no preconfiguration of peers required, eliminating the need for connectivity to the centralized network

Why Cisco?

The Cisco 5915 ESR uses the reliable and extensive Cisco IOS Software—enabling consistent end-to-end solutions today and allowing you to take advantage of Cisco's US$5B annual research and development (R&D) investment for development of new capabilities in the future.

For More Information

For more information about the Cisco 5915 Embedded Services Router, visit http://www.cisco.com/go/5900 or contact your local Cisco account representative.