



Cisco 5940 Embedded Services Routers

At-A-Glance

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The Cisco® 5940 Embedded Services Routers (ESRs) (see Figure 1) are optimized for mobile and embedded networks that require IP routing and services. The flexible, compact form factor of these routers, 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.

Figure 1. Embedded Services Routers



Who Needs Cisco 5940 ESRs?

The Cisco 5940 ESR meets the critical need for on-demand network connectivity for homeland-security and emergency-response applications.

Government response teams and tactical military teams 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, and security to protect the network and the data transmitted over the network

Benefits of Cisco 5940 ESR

Cisco 5940 ESRs offer the following benefits:

- The Cisco 5940 ESR solves critical size, weight, and power challenges. The router is designed for use in harsh environments—offering reliable operation in extreme temperatures and under shock and vibration conditions typical for mobile applications in rugged terrain.
- High performance and the rich Cisco IOS Software feature set of the Cisco 5940 ESR provides investment protection for customers deploying bandwidth-intensive applications in mobile or embedded networks in public safety, transportation, defense, and heavy construction/mining markets.
- Based on industry standards, a rich ecosystem of existing complementary products exists to facilitate the development of new systems incorporating the new Cisco 5940 ESR. The router allows for flexible integration into system integrator solutions.
- The extensive performance and resources of the 5940 ESR allow customers to take advantage of future capabilities without replacing hardware.

The Cisco 5940 ESR establishes a mobile network in vehicles, securely extending corporate resources to public safety, transportation, and defense markets. This highly scalable network establishes a mobile network for first-responder vehicles, armored vehicles, and passenger and freight rail trains.

You can deploy the Cisco 5940 Embedded Services Routers 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 centralized network

Why Cisco?

The Cisco 5940 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 \$5B annual R&D investment for development of new capabilities in the future.