



Cisco 880G Series Integrated Services Router with 3G Wireless Capabilities

At-A-Glance

Cisco 880 Series Integrated Services Router

Cisco® 880 Series Integrated Services Routers are the next generation of fixed-configuration routers that provide collaborative business solutions for secure data communication to enterprise branch offices, small businesses, and teleworkers (Figure 1).

Cisco integrated services routers offer a network foundation of integrated services and embedded intelligence to facilitate:

- Rapid deployment of secure connectivity, voice, and wireless solutions by simply activating new services as required without incurring new equipment costs
- Simplified operations by managing services using common tools and interfaces
- Protection of business assets by deploying integrated routing systems with embedded security services that protect both wired and wireless connections
- Reduction of capital expenditures and operating expenses by eliminating the need to deploy and manage new equipment in order to support new services

Figure 1. Cisco Integrated Services Router Family



Providing Secure High-Speed Wireless Connectivity Anywhere, Anytime

The Cisco 880G Series Integrated Services Router with the third-generation (3G) wireless WAN (WWAN) option provides secure high-speed wireless connectivity to small businesses, enterprise small branch offices, and teleworker sites, allowing rapid installation, deployment flexibility, and resilient WAN backup (Figure 2).

With data rates approaching T1 speeds, you can use 3G wireless service for primary WAN connectivity in locations where wireline services such as DSL and ISDN are not available or are too expensive to deploy, making affordable high-speed connectivity available anywhere, anytime. The Cisco 880G Series Integrated Services Routers support the latest 3G standards HSPA and EVDO Rev A) and are backward-compatible with the widely deployed 2.5G networks (1xRTT, General Packet Radio Service [GPRS], or EDGE).

Figure 2. Cisco 880G Integrated Services Router



What Does the Cisco 880G Offer?

The Cisco 880G provides a cost-effective, robust WAN backup solution as an alternative to ISDN dial backup, in addition to rapid deployment for temporary and nomadic sites.

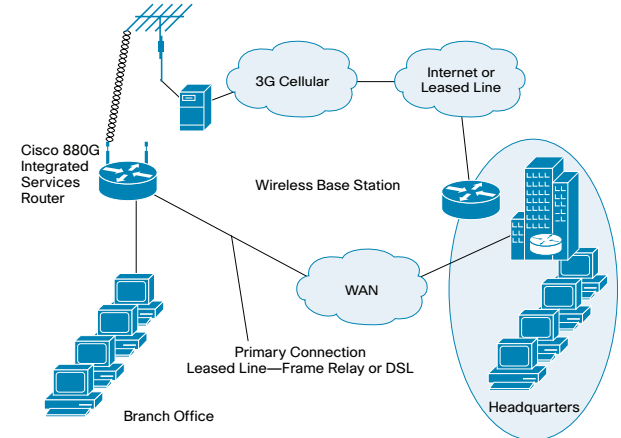
Business benefits include:

- **High-speed broadband WAN connectivity:** Routers used for either primary or backup at EVDO Rev A or HSPA speeds.
- **High availability:** Cisco 880G provides a true multipath backup option independent of the terrestrial infrastructure.
- **Rapid deployment:** Simple installation, no wires to install.
- **Portability:** One time activation, ability to quickly bring up new and temporary sites
- **Cost-effectiveness:** Flexible data access plans.

Integration benefits follow:

- Single device to manage: Your company benefits from increased operation efficiency.
- Familiar integrated services router and Cisco IOS® Software interface for IT team.
- Instant and transparent failover options using Cisco IOS Software.

Figure 3. Simplified Network: Cisco 3G Wireless HWIC for WAN Backup



Why Cisco and Why 3G Solutions?

From the branch office to the WAN and campus backbone, Cisco's end-to-end, highly reliable network solutions form the most comprehensive line of networking products available in the industry. The Cisco integrated services routers combine wire-speed data, voice, video, and wireless networking services into a secure, easy-to-manage solution designed for small offices, branch offices, and teleworkers. The 3G option on the Cisco 880G Integrated Services Router greatly enhances the Cisco offering of wireless networking services.

Constant WAN access is a requirement for branch offices connecting to a corporate site or the Internet. The Cisco 880G Integrated Services Router offers the ability to automatically initiate connection when the primary WAN link is unavailable. It offers a complete suite of data, voice, and wireless services. Multiple services into a single platform simplify network management, reduce capital expenditures and operating expenses, and protect your network investment. Other 3G wireless WAN backup solutions lack a fully integrated solution in a single platform.