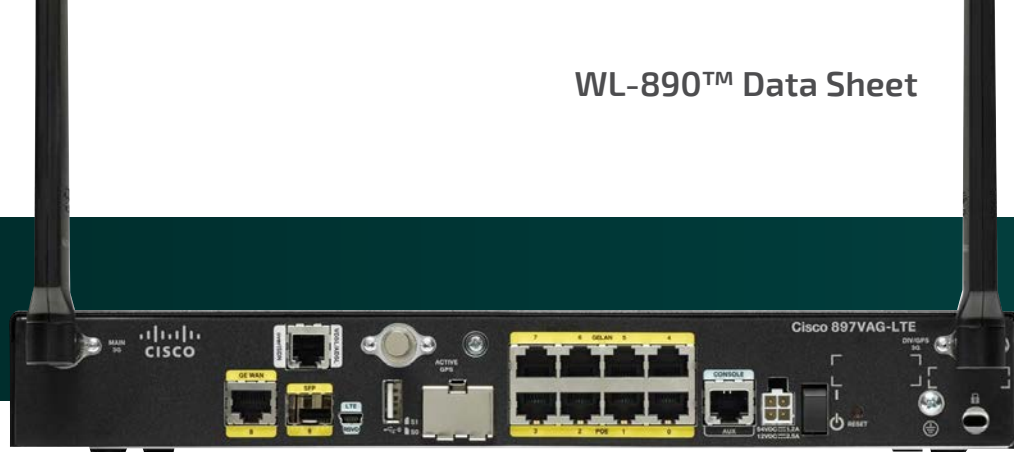


# WL-890™



## WL-890™ Standard Features

- Smallest Cisco ISR in Nonhardened Form Factors
- Lightweight, compact size with low power consumption
- Increased performance to run concurrent services
- Enhanced security
- Multiple WAN and LAN Connections
- 4-port 10/100-Mbps or 8-port 10/100/1000-Mbps managed switch
- WAN diversity
- Integrated WLAN Access Point
- Transparent Roaming Between Wireless Networks
- Dual subscriber-identity-module (SIM) support
- Cisco IOS Mobile IP features
- Cisco IOS Mobile network features
- Multiple wireless WAN technologies

## WL 890

The WL 890G Series 4G LTE 2.0 Integrated Services Router offers support for integrated fourth-generation (4G LTE) wireless WAN (mobile broadband backhaul), WLAN capabilities (C897VAGW Model) and cutting-edge capabilities. A rapidly deployable, highly available, reliable, and secure solution designed to combine internet access, comprehensive security, and wireless services in a single device that is easy to deploy and manage for primary or backup connectivity.

Delivering enterprise-class features, including highly secure data, voice, and video communications to stationary and mobile network nodes across wired and wireless links. The best-in-class architecture is specifically designed to deliver high performance with concurrent services, business continuity, and investment protection.

### Business Benefits and Application Examples

The 4G LTE wireless connectivity allows a small enterprise branch office or remote office to quickly set up comprehensive media services, without worrying about availability of broadband services or the need to lay down the lines. As WAN backup alternatives, 3G and 4G LTE wireless offer greater WAN diversity and resiliency because they are independent of the local terrestrial infrastructure. Enabling businesses to stay productive during service provider downtime or a network failure with Intelligent WAN diversity and Application Visibility & Control (IWAN & AVC LTE support).

### Ability to Host Networks in Motion

The WL 890G uses standards-based mobile IP features in IOS Software to host networks in motion. Transitions to different wireless networks are transparent to the users and devices (such as laptops, smart devices, and surveillance cameras), and applications maintain continuous connectivity without the user's manual intervention as WAN links change. In addition to allowing a single node or device to stay connected, the WL 890G allows an entire mobile network or subnet to stay connected.

### Retail VPN

Retail stores migrating from dialup connections for point-of-sale transactions can use the 4G LTE WWAN option on the WL 890G for low-cost broadband access, with the security required to comply with payment card industry (PCI) and other data security requirements. Multiple devices and applications can then be added to the store network to take advantage of the increased bandwidth and to enable secure mobility and enhance productivity.

# Technical Specifications

## Memory

Default and maximum DRAM 1 GB

Default and maximum flash memory 1 GB

## Interface Support

### Console or auxiliary port RJ-45

Single dual-purpose port, which provides direct connection to a console or external modem for management or backup access point

### Mini-USB port (reserved)

Mini-USB port to support remote 4G LTE diagnostics and monitoring tools (Qualcomm CAIT and Spirent UDM)

### WAN interfaces

Wireless WAN with 4G LTE, 3.7G, 3.5G, and 3G speeds

### LAN interfaces

Four 10/100 Fast Ethernet ports on the Cisco 880G and eight 10/100/1000 Gigabit Ethernet ports on the Cisco 890G

### WLAN Features

2x3 multiple-input multiple-output (MIMO) with two spatial streams (embedded antennas)

Maximal ratio combining (MRC)

Legacy beamforming

20- and 40-MHz channels

PHY data rates up to 300 Mbps

Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)

802.11 dynamic frequency selection (DFS)

Cyclic shift diversity (CSD) support

### LEDs

WWAN (green/amber)

SIM status (green/amber)

Received signal strength indication (RSSI) bar (green)

3G/4G LTE service (green/amber)

GPS (green/amber)

Speed and link for Gigabit Ethernet WAN port (green)

## Physical Features

### Physical dimensions (H x W x D)

1.9 x 12.8 x 10.4 in. (48 x 325 x 264 mm)

(includes rubber feet and antenna TNC/SMA connectors)

1.75 x 12.8 x 10.4 in. (44 x 325 x 264mm)

(without rubber feet and antenna TNC/SMA connectors)

### Weight

Cisco C890G-LTE

5.7 lb (2.59 kg)

### Standard safety certifications

UL 60950-1, 2nd edition

CAN/CSA C22.2 No. 60950-1, 2nd edition

EN 60950-1, 2nd edition

CB to IEC 60950-1, 2nd edition with all group differences and national deviations

### EMC emissions

EN55022/CISPR22, CFR 47 Part 15, ICES003, VCCI-V-3, AS/NZS CISPR22, CNS13438, EN300-386, EN61000-3-2, EN61000-3-3, and EN61000-6-1

### EMC immunity

EN55024/CISPR24, (EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11), and EN300-386

### Radio immunity

EN301 489-1, EN 301 489-7, and EN301 489-24

### Cellular radio

EN 301 908-1, EN 301 908-2, EN 301 511, 47 CFR Part 22, 47 CFR Part 24, and EN 301 908-13