



## MB7900

# Global Router

**Com Code: M3211263221**

- Universal Hardware/Software Design with Software configurable radio for CDMA2000® EV-DO or EDGE/UMTS/HSPA
- Plug and Play Simplicity
- Security Appliances – Firewall, Filter, Anti-Attack
- 3G/4G USB and DSL/Cable Redundancy Auto-Failover
- Compact Design for Vehicle or System Integration

The Global Router MB7900 is the world's first universal 3G cellular embedded system which can serve as a gateway/bridge that links all Third Generation Cellular (3G) networks and Wi-Fi/LAN networks. This innovative Universal mobile wireless gateway connects any Serial, USB, WLAN, and LAN devices and sensors to the ubiquitous broadband third generation cellular network for wireless Internet access. The MB7900 is software configurable to support all cellular standards including GPRS, EDGE, UMTS, HSDPA, HSUPA, CDMA 1x, EVDO Rev.0 and EVDO Rev.A. The same design, it supports multiple bands including 850Mhz, 900Mhz, 1800Mhz, 1900Mhz, 2100Mhz and works with all carriers around the world. The USB interface can support 4G in the future. This enables enterprise customers to utilize one product with different software configuration and firmware for worldwide deployment.

### Multiple WAN Connections

There are three WAN options available in MB7900, integrated universal 3G module, 3G/4G USB modem and Ethernet WAN. Users can easily choose their best preferred network access mode and can also configure one link as primary and the others as back-up. Multiple connections offer the best redundancy with maximum bandwidth and make your network reliable and available at all time.

### Advanced Auto-Failover Scheme

When MB7900 works under the business continuity mode, if one link is down, all data traffic will get routed over to other link(s). During this period, auto-reconnect feature is enabled to maintain a consistent, stable, wireless broadband link. When the primary data path is restored, the MB7900 will disconnect the back up link and returns to the primary link.

### Top Security with Firewall

There is a powerful firewall integrated in MB7900, which integrates features including Stateful Packet Inspection (SPI), Network Address Translation (NAT), MAC filter, Anti-Attack and URL filter. Those features protect your network against malicious attacks and offer secure access to resources.

### Remote Central Management

MB7900 supports wireless group management by Top Global Remote Central Management (RCM) software. RCM provides enterprise class management and administration to configure, monitor, and manage Top Global 3G router products. RCM can help our customer to reduce network devices maintenance costs. Network administrator can monitor multiple MB7900 from anywhere at any time using any

26784 Vista Terrace  
Lake Forest, CA 92630  
TEL: +1 949 586 7046  
FAX: +1 949 380 4128



### Embedded 3G SDR Module

EV-DO/EV-DO Rev. A 850MHz  
 EV-DO/EV-DO Rev. A 1900 MHz  
 HSDPA/HSUPA 850MHz  
 HSDPA/HSUPA 1900MHz  
 HSDPA/HSUPA 2100MHz  
 GSM/GPRS/EDGE 850MHz  
 GSM/GPRS/EDGE 900MHz  
 GSM/GPRS/EDGE 1800MHz  
 GSM/GPRS/EDGE 1900MHz  
 Standalone GPS, AGPS, and  
 gpsOneXTRA

### Product Specifications

#### Network Features:

- Software configurable radio for CDMA2000® EV-DO or EDGE/UMTS/HSPA
- Wi-Fi 802.11 g/b
- Auto Failover Between WAN and 3G /4G Wireless Networks
- Auto Failover Between 4G USB & 3G Module
- Smart Driver for 3G/4G USB modem
- DHCP Server
- DNS Relay
- Auto-Reconnect
- Dial On Demand
- Always On
- Link Integrity
- PIN
- IP Port Forwarding
- DMZ Support
- MAC access control
- NTP
- DDNS
- SNMP V1/V2

#### Management:

- User-friendly Web GUI
- Remote Central Management
- Setup Wizard 3G/4G WWAN
- Session and Status Monitoring Multiple
- Cellular Network Dial Up Mode

#### Security:

- Industry Leading Firewall Features
  - NAT/ Port Forwarding
  - SPI
  - MAC Filter
  - Anti-Attack
  - URL Filter
- VPN pass-through for IPSec and PPTP
- WPA
- 64-bit WEP & 128-bit RC4 encryption
- Closed system

#### Interface:

- Universal 3G Module for EVDO and HSPA
- Wi-Fi (802.11 g/b)
- 2 x 10/100Base-T (1 WAN and 1 LAN)
- 9 -Pin RS232 connector
- 1 x USB host for 3G/4G modem
- SIM Slot

#### Environmental Specifications:

- Operating Temperature: -20-70 °C
- Storage Temperature: -30-80 °C
- Operating Humidity: 10-85% (Non-Condensing)

#### Physical Specifications:

- Dimension 120 (L) x90 (W) x23 (H) mm
- Weight 350g

#### Warranty:

- 1 year

### System Requirements

- Broadband (cable, DSL) Internet service and modem with Ethernet connection (Optional)
- 3G/4G USB Modem (Optional)
- Ethernet adapter and cable for each computer
- Windows® 98SE, Me, NT, 2000, XP or other operating systems running a TCP/IP network
- Internet Explorer 6.0 or Netscape® 4.7 or higher

### Package Contents

- MB7900
- Power Adaptor
- LAN Cable
- CD (User Guide, Tools, Firmware)
- Quick Installation Guide

