



MB7900

Global Router

Com Code: M3211263221

- Universal Hardware/Software Design Ensures Seamless Roaming between CDMA2000® EV-DO and UMTS HSPA
- Plug and Play Simplicity for Network Access
- Security Appliances – Firewall, Filter, Anti-Attack
- 3G USB and DSL/Cable Redundancy Auto-Failover
- Compact Design for Travel or System Integration

Multiple WAN Connections

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 LAN networks. This innovative Universal 3G mobile wireless gateway connects any Serial, USB, and LAN devices and sensors to the ubiquitous broadband third generation (3G) cellular network for wireless Internet access with up to 7.2 Mbps peak speed. 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, 1900Mhz, and 2100Mhz and works with all carriers around the world. This enables enterprise customers to deploy one product with different software configuration and firmware worldwide.

There are three WAN options available in MB7900, integrated universal 3G module, 3G USB card and Ethernet WAN. Users can easily choose the preferred network access to be the primary one and the others as back-up. Multiple connections offer the best redundancy with maximum bandwidth and make your network more reliable.

Advanced Auto-Failover Scheme

When Auto-Failover scheme is active in MB7900, all data traffic will get routed over to back up link while the primary link is down. When the primary data path is restored, the MB7900 will disconnect the back up link and returns to the primary one.

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. MB7900 also has built-in VPN end point supporting ESP/AH/ 3DES/DES/MD5/SHA-1 encryption, it gives the Enterprise users maximum security and protection.

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 computer with Internet access.

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Embedded 3G SDR Module

Product Specifications

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 (Simultaneous)

Network Features:

- Pre-configuration for CDMA2000® EV-DO and UMTS HSPA
- Seamless Roaming Between Different 3G Networks
- Auto Failover Between WAN and 3G Wireless
- Auto Failover Between USB and Module 3G
- Smart Driver for 3G USB Card
- 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 End Point Feature, ESP/AH, 3DES/DES/MD5/SHA-1
- 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 (802.11b/g)
- 2 x 10/100Base-T (1 WAN and 1 LAN)
- 9 -Pin RS232 connector
- 1 x USB host
- 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 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