cradlepoint
TECHNOLOGY

wipipe POWERED™

MBR1100
Failsafe Broadband N Router
With 3G/4G Redundancy, Failover/Failback, VPN

ALWAYS CONNECTED

The CradlePoint MBR1100 is a robust 802.11N router with 3G/4G* failover capabilities for home, small and branch offices, temporary and remote enterprise environments seeking to implement continuous, always-available connectivity. With its built-in failover capability, the MBR1100 automatically switches to a secondary ISP (either wired or wireless) networking when the primary ISP service is interrupted. Once service is restored, the MBR1100 will automatically failback to the primary wired ISP keeping your business online without interruption to users. Your business is always connected.**

ENTERPRISE POWER, SMB SIMPLE

Powered by WiPipe™ technology, the MBR1100 includes many features found in expensive, enterprise-class routers at a fraction of the cost with minimal setup and maintenance. Top security features like; multiple WiFi encryption modes including WEP, WPA/WPA2 (Personal & Enterprise) and a firewall preventing unauthorized use of your connection are standard with the MBR1100. Because there is no software to load, you'll be up and running in minutes.
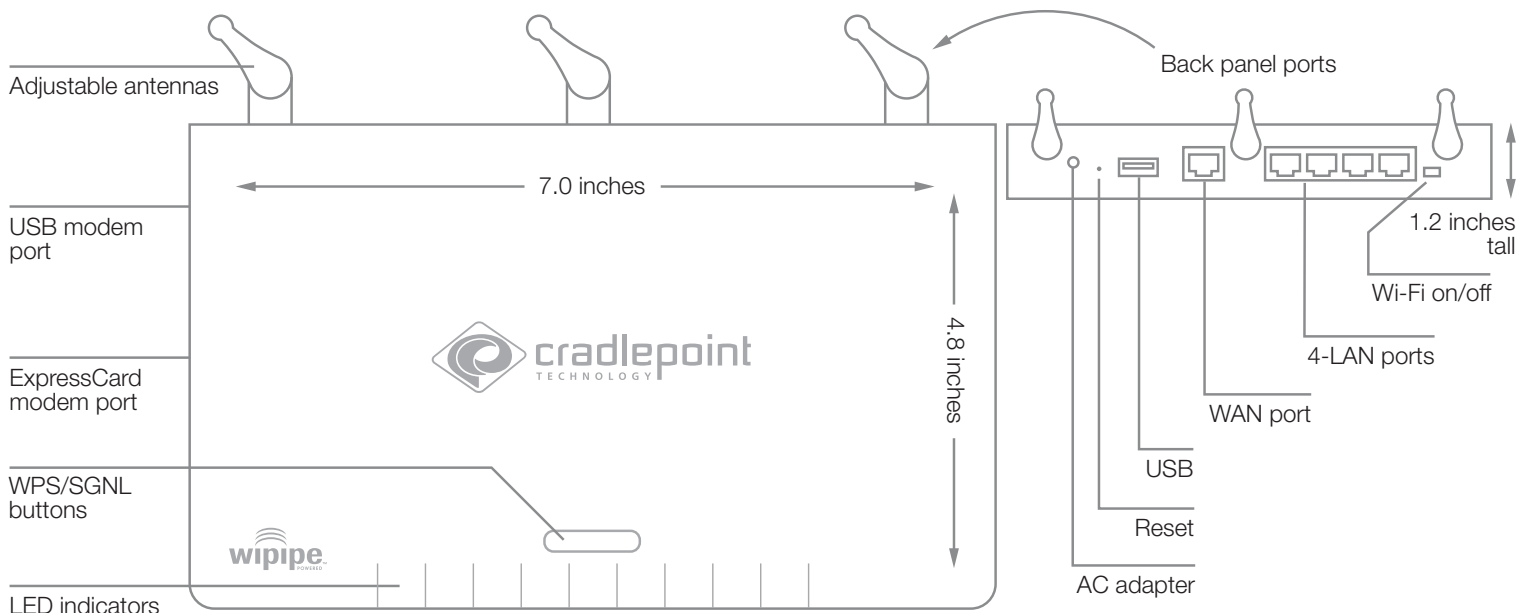
VPN, SECURE AND RELIABLE

The high-performance MBR1100 has the capability to create and terminate IPSec VPN sessions. It provides up to five concurrent sessions, supporting transfer and tunnel modes and several Hash and Cipher algorithms. This securely encrypted protocol means your communications from one private network to another is secure from end-to-end.

IPSec VPN provides a secure connection between main office and remote/mobile offices

Connects with any Wi-Fi–enabled device:

- **Cellular Redundancy Failover to 3G/4G**
- **VPN (IPSec) support**
- **Easy Setup & Maintenance**
- **Works with USB or ExpressCard™ modems**

MBR1100
Failsafe Broadband N Router

Adjustable antennas

Back panel ports

USB modem port

7.0 inches

1.2 inches tall

Wi-Fi on/off

ExpressCard modem port

4.8 inches

4-LAN ports

WPS/SGNL buttons

WAN port

USB

Reset

LED indicators

AC adapter

DETAILS

- 2.412 to 2.484 GHz frequency band operation
- Compliant with IEEE 802.3 and 3u standards
- Supports OFDM and CCK modulation
- Supports Cable/DSL modems with dynamic IP, static IP, PPPoE, PPTP, or L2tp connection types
- Traffic control and Virtual Server (max 32 servers) and DMZ
- Compatible with HSPA and EVDO cellular network devices
- Easy Management via HTTP and Remote Management via HTTP and SNMP

VPN DETAILS

- Up to five VPN sessions
- Web GUI control configured via administrator policies
- Supported VPN implementations
  - MBR1100 to MBR1100
  - MBR1100 to Cisco/Linksys routers[1]
  - MBR1100 to Linux systems[2]
- Tunnel (default) and Transfer (aka, Transport) modes
- Hash algorithms (hardware accelerated) – MD5, SHA128, SHA256, SHA384, SHA512
- Cipher Algorithms (hardware accelerated) – AES, 3DES, DES
- Keying – automatic using IKE 1.0 or manual
- Authentication Method – pre-shared key[3]
- No stream compression, LT2TP or PPTP support

SECURITY

- Firewall features Network Address Translation (NAT), and Stateful Packet Inspection (SPI) protects against DoS attacks
- Access Control available in encrypted and open modes, and password-protected Internet access to prevent unauthorized usage
- Provides additional security of Enable/Disable SSID, Internet Access Control (Services, URL, and MAC Filtering)
- Supports multiple concurrent IPSec, L2TP, and PPTP VPN pass-through sessions
- Supports 64/128-bit WEP, WPA, WPA2 (Personal and Enterprise) wireless security modes

1 Tested against a Cisco 5500 running IKE microcode: CNlite-MC-IPSEC-Admin-3.03 IPSec microcode: CNlite-MC- IPSECm-MAIN-2.03
2 Tested with Linux Kernel: 2.6.18 - 2.6.25; IKE (Racoon): 0.7.0 and 0.7.1
3 No stream compression, LT2TP or PPTP support

SPECIFICATIONS

Model #: MBR1100

Wi-Fi Standards: IEEE 802.11b/g/n

Network Connections: 4 LAN, 1 WLAN (Ethernet), 2 USB modem ports, 1 ExpressCard modem port

Buttons/Switches: Wi-Fi On/Off switch; WPS button (security), SGNL button (signal strength display mode), and Reset button

LED Indicators: Power, LAN 1-4, WAN (wired network), WPS (Wi-Fi protected setup), WLAN (cellular network), MDM (modem), SGNL (signal strength mode)

Dimensions: 7" x 4.8" x 1.2" (180 mm x 122 mm x 30.25 mm)

Certifications: FCC

Operating Temperature: 0°C to 50°C

IN THE BOX

- MBR1100
- AC Power Adapter
- CAT5 Ethernet Cable
- Mounting Hardware
- Quick Start Guide
- Warranty Card

MINIMUM REQUIREMENTS

- Mobile broadband USB or ExpressCard data modem with active subscription or supported phone with active tethered (phone-as-modem) data plan
- Windows 2000/XP/Vista, Mac OS X, or Linux with Wi-Fi adapter 802.11 b/g/n recommended
- Internet Explorer v6.0, Firefox v2.0, or Safari v1.0 minimum

* USB and ExpressCard modems require activation with a mobile broadband carrier. Ask your service provider for details concerning coverage, 3G/4G availability, rates and service plans. CradlePoint supports over 85 modems and handsets. For the latest compatibility list, visit www.cradlepoint.com.

** Based on cellular/mobile broadband coverage.

cradlepoint
TECHNOLOGY

1199 Shoreline Lane, Suite 301 | Boise, Idaho 83702 | 208 424 5054 | www.cradlepoint.com