

MC100W

Integrated Modem Enclosure

WiMAX Edition

BUSINESS-GRADE INTEGRATED SOLUTION

In combination with supported CradlePoint routers and adapters, the MC100W Integrated Modem Enclosure provides businesses with a fully-integrated solution for 4G/WiMAX internet access.

Supporting both primary connect and network failover applications, the MC100W features an integrated WiMAX module and high-gain external antennas to enhance in-building signal coverage and improve performance in fringe locations and areas of poor coverage.



- **High-speed, wireless broadband internet access using 4G/WiMAX service**
- **Built for durability and reliability**
- **Business application support for either primary connect or network failover applications**
- **External high-gain antennas extend signal performance in fringe locations and areas of poor coverage**
- **Specifically designed for CradlePoint products**

HIGH-SPEED 4G WIRELESS INTERNET

The MC100W enables high-speed wireless internet access that meets and often exceeds the throughput from wired internet connections such as DSL, Cable, or even T1 lines.

The integrated WiMAX module provides downlink throughput of 10 Mbps peak with an average of 6 Mbps, and uplink throughput of 5 Mbps peak with an average of 1.2 Mbps in typical WiMAX networks.

DEDICATED AND SECURE

The MC100W is designed to be securely attached to compatible CradlePoint routers to create an “embedded solution”. Unlike standard USB or ExpressCard modem sticks, the internal WiMAX module cannot be used in laptops or personal computers. As a result, the modem is not a theft target for unauthorized uses.

As carriers begin to offer custom M2M metered data plans, this solution enables carriers and customers to utilize those data plans in remote, lights-out locations without fear of unauthorized usage or data plan abuse.

ENHANCED PERFORMANCE & RELIABILITY

The MC100W is specifically optimized for enhanced performance and reliability when used with CradlePoint devices.

By specifically optimizing the MC100W for CradlePoint devices, the solution provides the highest levels of performance and reliability. Rigorous system validation testing ensures that the solution will provide durable connectivity and the best performance results possible for in-building locations, fringe locations, and other areas of low signal strength.

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TECHNICAL SPECIFICATIONS

INTERNET ACCESS

- Integrated 4G/WiMAX Modem
- Service provided separately by wireless operator

WiMAX

WiMAX Standard: 802.16e Wave 2

Downlink Rates: 10Mbps peak, 6Mbps average

Uplink Rates: 5 Mbps peak, 1.2 Mbps average

Frequency Band: 2,500 MHz band

Power: 23.5 +/- 0.5 dBm (RSU/CPE)

Chipset: Beceem 250 chipset

Operator Certification: Clearwire, Sprint

RAN Interoperability: Huawei, Motorola, Samsung

Router Interface: USB 2.0

ANTENNAS

External Antennas: 2 SMA - male (plug)

Antenna Gain: 5 dBi gain

Antenna Connectors: 2 SMA - female (socket)

ENVIRONMENTAL

Temperature: 0 to 40° C (32 to 104° F) operating
-20 to 70° C (-4 to 158° F) storage

Relative Humidity: 10% to 85%, operating
5% to 90%, storage

SIZE AND WEIGHT

Weight: 230 g (8 oz.)

Dimensions: 131 x 230 x 43 mm
5.2 x 9.1 x 1.7 inches

INDUSTRY STANDARDS and CERTIFICATIONS

- FCC Part 15, subpart C
- Clearwire IIOT

PRODUCT DETAILS

MINIMUM REQUIREMENTS

- Compatible CradlePoint Router or Adapter
- Active Subscription from WiMAX Operator

SUPPORTED CRADLEPOINT PRODUCTS

- CBA750

PACKAGE CONTENTS

- Integrated Modem Cap
- Quick Start Guide
- Locking Screws
- External Antennas (2)

SUPPORT and WARRANTY

- 1 Year Warranty (Included)
- 1 Year Support, Email and Chat (included)
- Extended Support and Warranty Available (2 Years + phone support)

ACCESSORIES

- Extended Antenna Cables
- Antenna Mounting Bracket
- High-Gain Antenna Options

RECOMMENDED MANAGED SERVICES



Secure, Manage & Maintain The Edge of 3G/4G Network



View our Demo at <https://services.cradlepoint.com>
username: Demo password: Demo

COMPATIBLE CRADLEPOINT PRODUCTS



* Based on Mobile Broadband Coverage

** Requires Activated USB and/or ExpressCard Modem with a Mobile Broadband Carrier. Over 100 Modems are Supported.