

MC100E-SP **Business-Class Modem**

EVDO Edition

BUSINESS-GRADE INTEGRATED SOLUTION

In combination with supported CradlePoint routers and adapters, the MC100E Business-Class Modem provides businesses with a complete solution for 3G internet access.

Supporting both primary connect and network failover applications, the MC100E features an integrated EVDO RevA module and high-gain external antennas to enhance in-building signal coverage and improve performance in fringe locations and areas of poor coverage.



MC100E
Integrated EVDO
Modem Enclosure

- **High-speed, wireless broadband internet access using 3G/EVDO service from Sprint**
- **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**
- **Designed for CradlePoint products**

HIGH-SPEED 3G WIRELESS INTERNET

The MC100E enables high-speed wireless internet access for remote and mobile applications.

The integrated EVDO Rev A module provides down-link throughput of up to 3.1 Mbps and uplink throughput of up to 1.8 Mbps.

DEDICATED AND SECURE

The MC100E is designed to be securely attached to compatible CradlePoint routers to create an “embedded solution”. With a different form factor and permanent attachment to the router, the modem deters removal and theft by unauthorized users.

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 MC100E is specifically optimized for enhanced performance and reliability when used with CradlePoint devices.

By specifically optimizing the MC100E 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.

Ready For



MC100E

Integrated Modem Enclosure

EVDO Edition



TECHNICAL SPECIFICATIONS

INTERNET ACCESS

- Integrated EVDO Rev A Modem
- Service provided separately by wireless operator

EV-DO

Technology: EVDO RevA, A/O; CDMA 1x
Downlink Rates: 3.1 Mbps (theoretical)
Uplink Rates: 1.8 Mbps (theoretical)
Frequency Band: Cellular/PCS (800MHz/1,900 MHz)
Power: 24 +/- 0.5 dBm (typical conducted)
Module: Sierra Wireless 5728v
Operator Certification: Sprint
Router Interface: USB 2.0

ANTENNAS

External Antennas: 2 SMA - male (plug)
Antenna Gain: 2 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, 22 & 24; CDG Stages 1,2
- IS-2000, IA-98D/E, IS-134, IS-637B, IS-683A, IS-707A, IS-856, IS-866
- JESD22-A114-B, JESD22-C101
- Sprint

PRODUCT DETAILS

MINIMUM REQUIREMENTS

- Compatible CradlePoint Router or Adapter
- Active 3G Subscription from CDMA/EVDO Operator

SUPPORTED CRADLEPOINT PRODUCTS

- CBA750
- MBR1400

PACKAGE CONTENTS

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

SUPPORT and WARRANTY

- 1 Year Hardware Warranty (Included)
- 1 Year Technical Support, Email and Chat (included)

SERVICES

- Carrier service activation

PART NUMBERS

- Sprint: MC100E-SP

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



CBA750
Mobile Broadband Adapter for 3G/4G



MBR1400
Mission-Critical Broadband Router

This product requires a monthly data subscription from a supported wireless broadband operator. See www.cradlepoint.com/activation for more details