

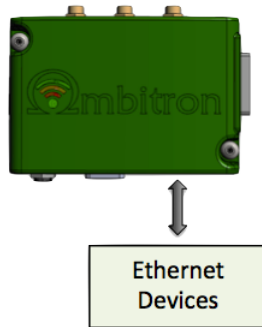
EC100 Cellular Gateway



The EC100 is part of the E-Series gateways. Available with multiple wireless and interface options.

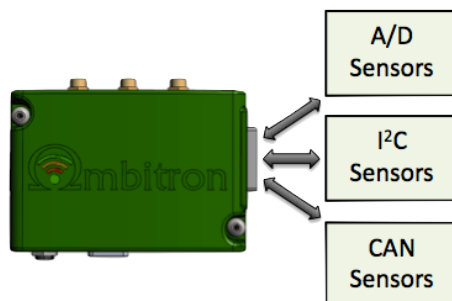
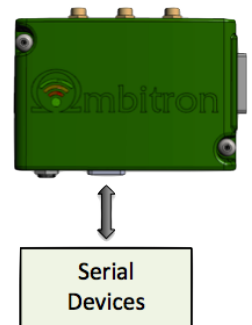
The EC100 is a compact, powerful wireless gateway designed for the unique challenges of the Industrial Internet of Things. Combining a powerful ARM® Cortex® M4 processor and state-of-the-art wireless module, the EC100 provides a wide range of functions in a compact package.

The EC100 has built-in **Device Connectivity Management (DCM)** support which monitors and manages its wireless performance. DCM is a cloud based service that allows for easy remote management of one to thousands of devices from a single web console. Ombitron's industry leading DCM solution is the only open DCM that supports both Ombitron™ and third party wireless devices.



Instant Ethernet connectivity Connect to the 10/100 Mbps RJ45 for no-configuration internet access

Serial cable replacement Connect to the RS232 for wireless cable replacement



Multiple sensors Remotely programmable sensor control

EC100 Features & Specifications

Features

- Low Cost
- USB, Serial, Ethernet
- Connection Manager
- Device Management
- User Programmable
- Compact
- Expansion Connector

Interfaces

Antennae: 1 or 2*
Serial: RS232 DB9
Ethernet: 10/100 RJ45
USB OTG: microAB
Expansion: multi-I/O DB26
(UART, I²C, CAN, 8x GPIO,
4x ADC 12-bit)

Software

Ethernet Bridge Mode
Programmatic Serial Port Access
TCP/UDP/IP/PPP
Device Connectivity Management
Remote Software Updates
Programmable (Python)
Automatic Error Recovery
Connection Watchdog

*Optional GPS

Wireless

Cellular: CDMA 1xRTT 2.5G
*Optional GPS

Mechanical

Operating: -20C to +55C
Humidity: 10% to 90% non-condensing
Dimensions: 66mm x 97mm x 30mm

Security

SSL/TLS, AES128, AES192, AES256,
Triple DES, MD5, SHA-256, ECC, TLS

Certifications

FCC, IC, RoHS, Lead Free

Power

+5 VDC, 250 mA
5.5mm x 2.5 mm barrel with thread lock

