

Description

The wireless data collector (WDC) is a reliable, fully bidirectional gateway between the Internet/backbone network and the E-Mon wireless mesh network. It is compatible with standard communication protocols and can support multiple meter types on the same network. The WDC provides simple remote configuration of the wireless devices and accurately transmits the energy data via Ethernet from the wireless network to E-Mon meter reading software for billing and analysis.



Features

- Compiles data from wireless transceivers and transmits data to E-Mon's meter reading software for billing and analysis.
- Interfaces with E-Mon D-Mon Class 2100 & 4100 meters with built-in wireless transceivers, E-Mon's wireless socket meter packages as well as EWM, GW1 & GW2 modules which are stand-alone transceivers connected to existing E-Mon D-Mon meters or other metering devices such as gas, water and utility electric meters.
- Wireless mesh network operates in the 915 MHz license-free band. No cellular wireless service contracts are required.
- Fully self-configuring wireless mesh network allows for easy installation and configuration with no network management required.
- FCC certified not to interfere with existing infrastructure.
- 128 bit encryption on wireless network.
- Expandable local storage.
- Communication logs and automatic data recovery features.
- User and administration access control.

Model Numbers

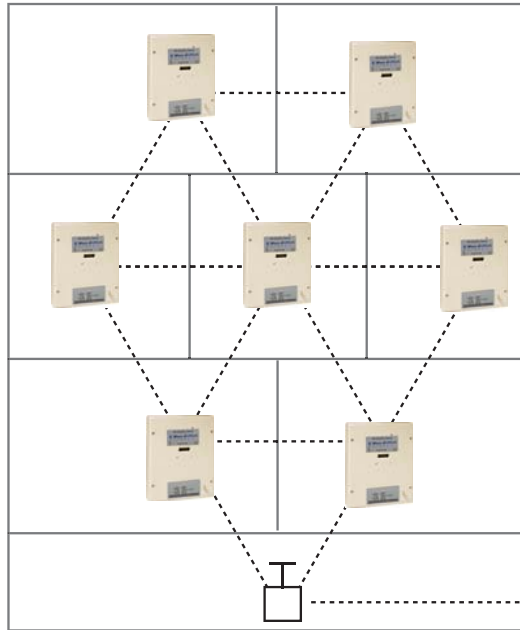
Wireless Data Collector (WDC)

Additional Components

Wireless Base Station
Wireless Meters

Wireless Mesh Network Configuration Diagram

High Rise Apartment Building



Symbol Key



WDC



Class 4100
Meter

One meter installed inside each tenant space.

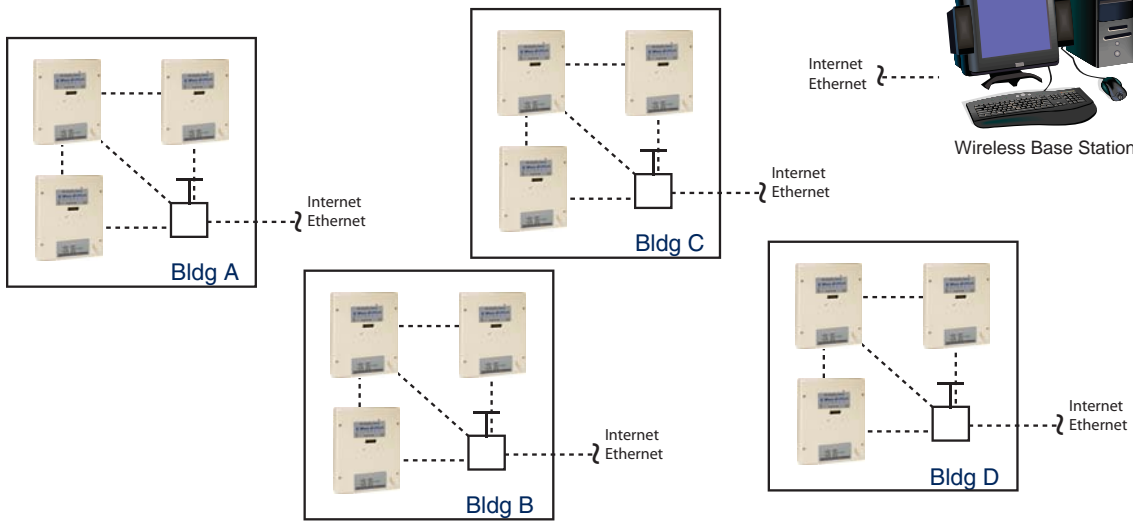
One WDC transmitting data to E-Mon Energy™ software via Internet or Ethernet communication.



Wireless Base Station

Internet Ethernet

Garden Style Apartments



One meter installed inside each tenant space.

One WDC installed inside each building transmitting data to E-Mon Energy™ software via Internet or Ethernet communication.