current
powered by GE

Wireless Area Controller (WAC60)

Next-gen hub for facility-grade IoT

Product Overview

The **Wireless Area Controller (WAC)** is the next-generation hardware heart of Current's industry-leading Daintree wireless controls solution for smart buildings. Powered for the first time by Intel, the leader in next-generation chips, the controller delivers significant energy savings and operational improvements in a simpler, more cost-effective way. The WAC is designed to deliver intelligent local control across a large area for hundreds of interoperable wireless sensors and control devices from Daintree ecosystem partners.

The WAC collapses complex control panels, gateways, and miles of wires into a single powerful controller. Using open and interoperable ZigBee® standards-based technology, the WAC communicates with standards-compliant sensors, switches, ballasts, and LED drivers to transform basic room controls into a complete wireless control solution. A WAC can independently control a single extended area, and multiple WACs can be connected through an Ethernet network to scale the system to many hundreds or thousands of lights, sensors, and building control devices across a distributed enterprise.

Key Features and Benefits

- Powered by Intel, the leader in next-gen chips
- The "hub at the edge" for Current's Daintree open solution for wireless building controls
- Securely connects directly to GE's Predix industrial-strength IoT platform
- Double the number of simultaneous IoT devices
- Uses open and ubiquitous Zigbee protocol
- Equipped for IoT challenges of the future, e.g., processing power and bandwidth

Specifications

Dimensions	9.4" H x 8" W x 1.2" D
Weight	1.06lb (480g)
Operating Environment	32°F to 104°F (0°C to 40°C) Indoor, dry location (Install in non metallic waterproof enclosure for outdoor applications)
Processor intel	Intel® Atom™ Processor E3805
Memory and Storage	2 GB RAM, 8 GB Flash
Status Indicator	Green (Normal Operation) Orange (Attention Required) Red (Error Condition)
I/O	2 10/100 Mbps Ethernet 2 USB Type A (host) 1 microSD memory card 1 2.1mm barrel (power) 2 Button (configuration) 1 Modbus/RS485 (via USB interface)
RF	2.4GHz ISM Band 100mW (+20dBm)
Power	12V DC, 0.9A (max)
Power Consumption	3.4W (network joined)
Warranty	5 Years

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