Daintree™
Wireless Controls

Daintree™
Wireless Area Controller (WAC60)

The **Wireless Area Controller (WAC60)** is the heart of the Daintree Networked product portfolio, a wireless controls solution for lighting and smart building control, monitoring, and optimization. Daintree Networked controls provide a highly scalable solution to address evolving environmental regulations and transform spaces into intelligent environments for buildings of all sizes.

DESCRIPTION

The Daintree Networked lighting controls platform uses the WAC60 to connect lighting, plug loads or other BMS devices, like HVAC devices. This controls system can also connect to Daintree software apps like Daintree Controls Software to schedule, monitor and maximize the energy savings in networked buildings. Additionally, the Daintree Networked platform allows integration with third-party apps to enable other IoT functionality like heat mapping, people counting, asset tracking and location based services.

- Up to 50% additional energy savings across lighting, HVAC, plugload, fans and more.
- Real-time data visualization of energy usage, trends and insights to optimize operations with the Daintree Controls Software web app.
- Automated demand response, superior comfort and lower maintenance expense.
- Regulatory compliance with Title 24; IECC, ASHRAE 90.1, 2005 EnergyPolicy Act; 2007 Energy Independence and Security Act; 2009 DOE Regulations.

KEY FEATURES AND BENEFITS

- Powered by Intel
- IoXt Certified. IoXt is the Global Standard for IoT Security®
- Integrates with Daintree Controls Software web app for scheduling in single or multi-site functionality.
- WAC60 communicates with lighting sensors, nodes and other edge devices. The WAC60 Wireless Area Controller sends data to the cloud for energy management and IoT enablement.
- Securely connects to Daintree Controls Software energy management app and IoT Cloud platform
- Simultaneously support wireless sensing and controls using Current's Daintree open solution for wireless building controls, enabling support for wireless and/or wired connectivity across many BMS and IoT applications
- Equipped for IoT challenges of the future, e.g., processing power and bandwith

PRODUCT OVERVIEW

The WAC60 is designed to deliver communication and intelligent control across hundreds of interoperable nodes, wireless sensors, switches and control devices in the Daintree Networked platform.

A node is any Daintree wireless device that connects and communicates to the Daintree Networked platform. Small WAC60 devices support up to 60 nodes, and Large WAC60 devices can support up to 175 nodes.

Devices can be zoned and scheduled with Daintree Controls Software. The software can bridge multiple WAC60 devices or multi-site scheduling and data mining applications.

CUSTOMER NAME

Project Name _____

Date _____ Type _____

Catalog Number _____

WARRANTY

Current offers a limited Warranty across its Daintree Portfolio. The table below summarizes the Warranty terms. For additional information, please go to LED.com.

COMPONENT	WARRANTY PERIOD	COVERAGE DETAILS
Daintree Software	1 year (IoT Cloud installed Software) Subscription term (SaaS) 3 years	Current warrants that as long as all applicable fees due are paid, Daintree Software will substantially conform to the applicable published documentation and published specifications for the Warranty Period.
System Controller	3 years	100% parts coverage. Warranty for non-Daintree software (such as operating system software) is provided by the respective software; Current makes no warranty with respect to non-Daintree software.
WACs	5 years	100% parts coverage
Wireless Adapters	5 years	100% parts coverage
Wireless Devices	5 years	100% parts coverage, excluding batteries.
Wireless Thermostats	2 years	100% parts coverage

Daintree wireless controls are available integrated and preinstalled in many Current lighting fixtures. For a complete list of integrated sensors, look for the Daintree Wireless Controls icon on the product pages on **LED.com**

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® Atom™ Processor E3805
Memory & 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) I/O 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) / 3.4W (network joined) 2 options: PoE (with the addition of a PoE splitter optional not included) and via a wall plug-in power supply included.
Connectivity:	RS-485 (via USB/RS-485 adapter), Ethernet, IEEE 802.15.4 (through the Daintree WAC software)
Warranty:	5 Years

PRODUCT CERTIFICATIONS

FCC ID: S4GEM358L
IC: 8735AEM358L

ORDERING INFORMATION

SKU	PRODUCT CODE	DESCRIPTION
93139340	WAC60-DCS-LARGE	Large Wireless Area Controller (Capacity: up to 175 nodes)
93139341	WAC60-DCS-SMALL	Small Wireless Area Controller (Capacity: up to 60 nodes)
93048067	WAC60-DCS-Hardware	MRO Replacement Wireless Area Controller
TL-SF1008P 8	WAC60-DCS-SMALL	Port Switch with 4 POE ports
TL-SG1008PE 8	WAC60-DCS-Hardware	Port Switch with 8 POE ports