



Autani Manager

Integrated Energy Management

DESCRIPTION

The Autani Manager is a compact, industrial-grade hardware controller at the heart of the Keilton+autani energy management system. Powered by Autani's award-winning EnergyCenter® software, it seamlessly integrates and optimizes building operations using a multi-protocol approach, including Bluetooth®, Zigbee (autaniNet), EnOcean, and BACnet/IP, with optional third-party system connectivity.

As the central intelligence of a facility, the Autani Manager processes data from environmental sensors, local controls, and metering devices in real time. Using sensor input, schedules, curtailment strategies, and event triggers, it dynamically manages lighting, HVAC, and plug loads, reducing energy waste while maximizing efficiency and cost savings.

By aggregating sensor data across a facility, the Autani Manager extends its reach to ensure optimized energy performance across all building zones. It also elevates the Keilton+autani solution from Tier 2 to Tier 3, providing users with a full suite of management utilities and tools. Through its web-based interface, users can effortlessly make on-demand changes, adjust schedules, implement demand response, and set up floor plan images.

Comparable to a network device, the Autani Manager connects via Ethernet to a local area network (LAN), enabling secure remote access to the EnergyCenter® platform. When paired with the Autani RTR.AO and Autani CR05.AO, it fully integrates with the Keilton+autani product catalog, delivering a future-ready, intelligent energy management ecosystem.

APPLICATIONS

Autani Managers are suitable for renovation, upgrade, and new construction projects where individual fixture control and/or monitoring is desired.

- Private & Open Offices
- Corridors & Hallways
- Classrooms & Gymnasiums
- Warehouse Spaces & Manufacturing Areas
- Patient Care Rooms
- Transportation Terminals
- Retail & Grocery Stores



FEATURES

- Remote monitoring and control of lighting, HVAC and plug devices.
- Metering and demand response.
- Optional connectivity to BACnet.
- CR05 and RTR devices work in conjunction with the Manager to bring Bluetooth® lighting and plug load controls into your system.
- Easy to install and configure: simply mount, connect, power, and go!
- autaniNet (Zigbee) secure wireless 2.4GHz communications with other network devices.
- Data storage retains all system events for over one year; event data can be analyzed to optimize energy use and savings.
- Scalable to manage a single building or an entire campus.
- Graphical view of real-time and historical energy use provides comprehensive and actionable information to users.
- Autani's EnergyCenter® products can operate independently or as an integrated solution.

RELATED PRODUCTS



RTR



CR05



Autani Manager

Integrated Energy Management

SPECIFICATIONS

APPLIANCE

- Mounting: Wall bracket or table-top
- Storage: mSATA SSD
- Endpoint Capacity:
 - Up to 120 Zigbee devices can be added to the Autani Manager.
 - Up to 1000 BLE devices can be added to the Autani Manager in combination with Autani CR05.AO and RTR.AO.
- Operating System: Secure Linux-based variant

POWER SUPPLY

- Voltage: 100-240V~50/60Hz 0.8A input / 12VDC output
- Power: 13 watts max

I/O SUPPORT

- LAN: 1x10/ 100/ 1000 Ethernet, TCP/ IP v4
- USB: 1 USB 2.0 and 1 USB 3.0 host interfaces

PROTOCOLS

- Wireless: 802.15.4 with mesh networking
- Ethernet: HTTP/ HTTPS
- Security: Internal firewall, isolated wireless and internal processors
- UDP: 59462, 54473, 59475
- TCP: 443

Note: The referenced UDP or TCP port(s) are necessary for remote access and establishing a secure outbound VPN connection. Only one of the specified ports is required for proper functionality.

RADIO NETWORK (autaniNet)

- IEEE 802.15.4-2003 2.4GHz ISM
- Range: Up to 1500' LOS transmit/receive

REGULATORY APPROVALS

- UL 60950-1 & CSA C22.2 No. 60950-1
- FCC ID: V8NZRB1000152
- IC: 7737A-ZRB1000152
- Certified Class B Digital Device, FCC Part 15

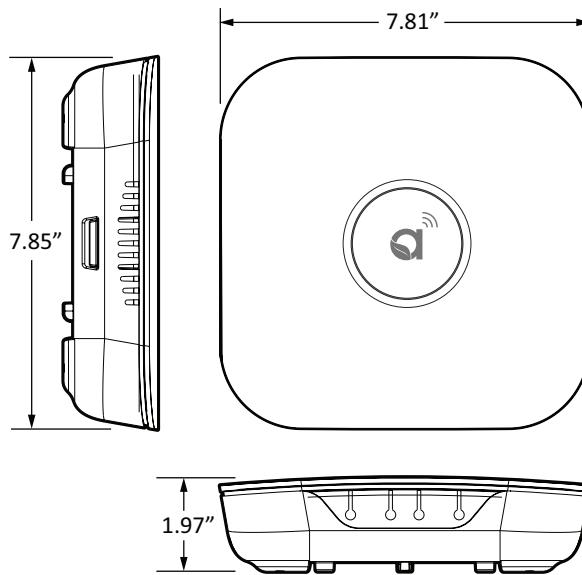
ENVIRONMENTAL

- Operating Temperature: 10° to 40°C
- Storage Temperature: -25° to 65°C

PHYSICAL

- Dimensions (HxWxD): 7.85 x 7.81 x 1.97in
- Color: White
- Weight: 1.6 lbs (0.7 kg)

DIMENSIONS



THE ENERGYCENTER® FAMILY

IT ALL CENTERS ON ENERGY MANAGEMENT

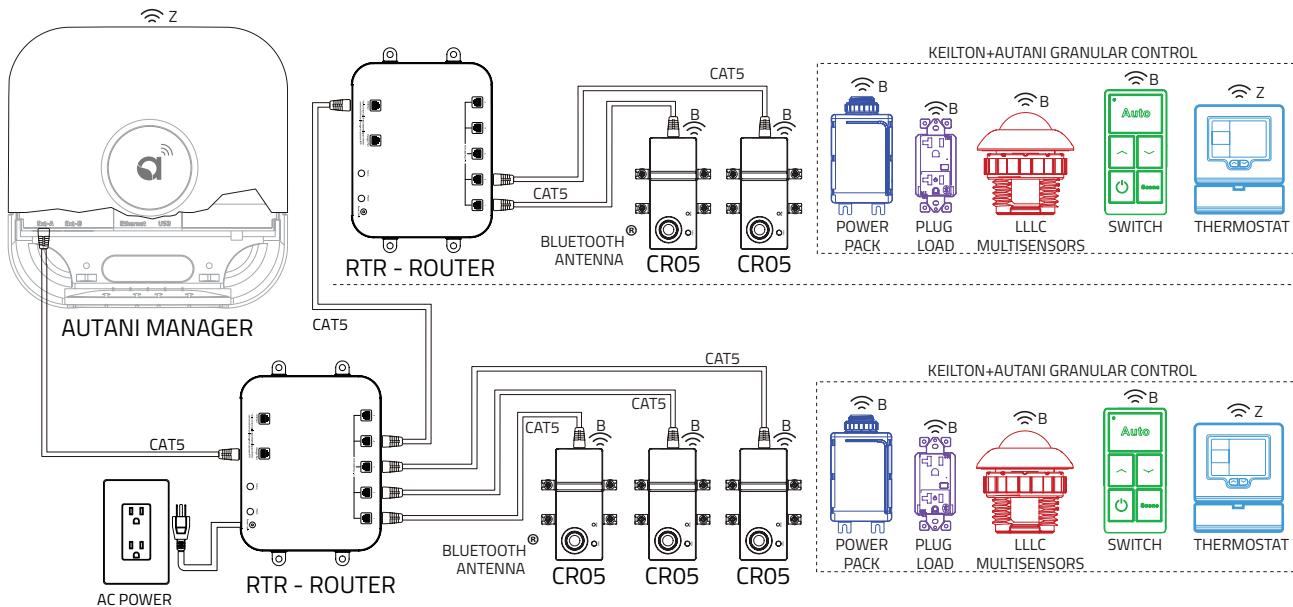
Autani's EnergyCenter® software seamlessly integrates lighting, HVAC, plug loads, metering, and sensor applications into a unified, intelligent energy management platform. By leveraging schedules, occupancy data, demand response, and local inputs, EnergyCenter® dynamically optimizes energy usage in real time-minimizing waste and maximizing efficiency.

Built for scalability and ease of use, EnergyCenter® features an intuitive web-based interface, enabling both local and remote access for centralized energy management. Whether managing a single facility or an entire portfolio, users can monitor, adjust, and control energy consumption with precision, driving sustainability and cost savings across their operations.

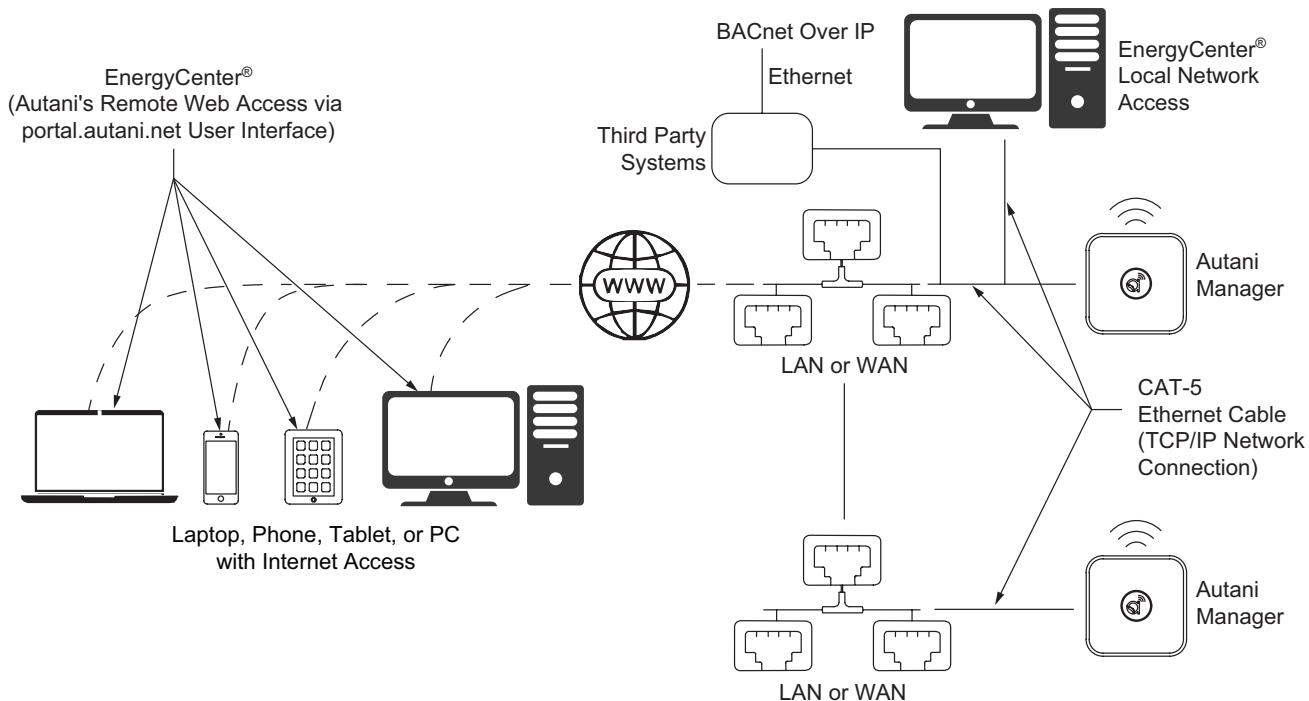


Autani Manager

AUTANI MANAGER WIRING



AUTANI MANAGER NETWORK CONNECTIVITY





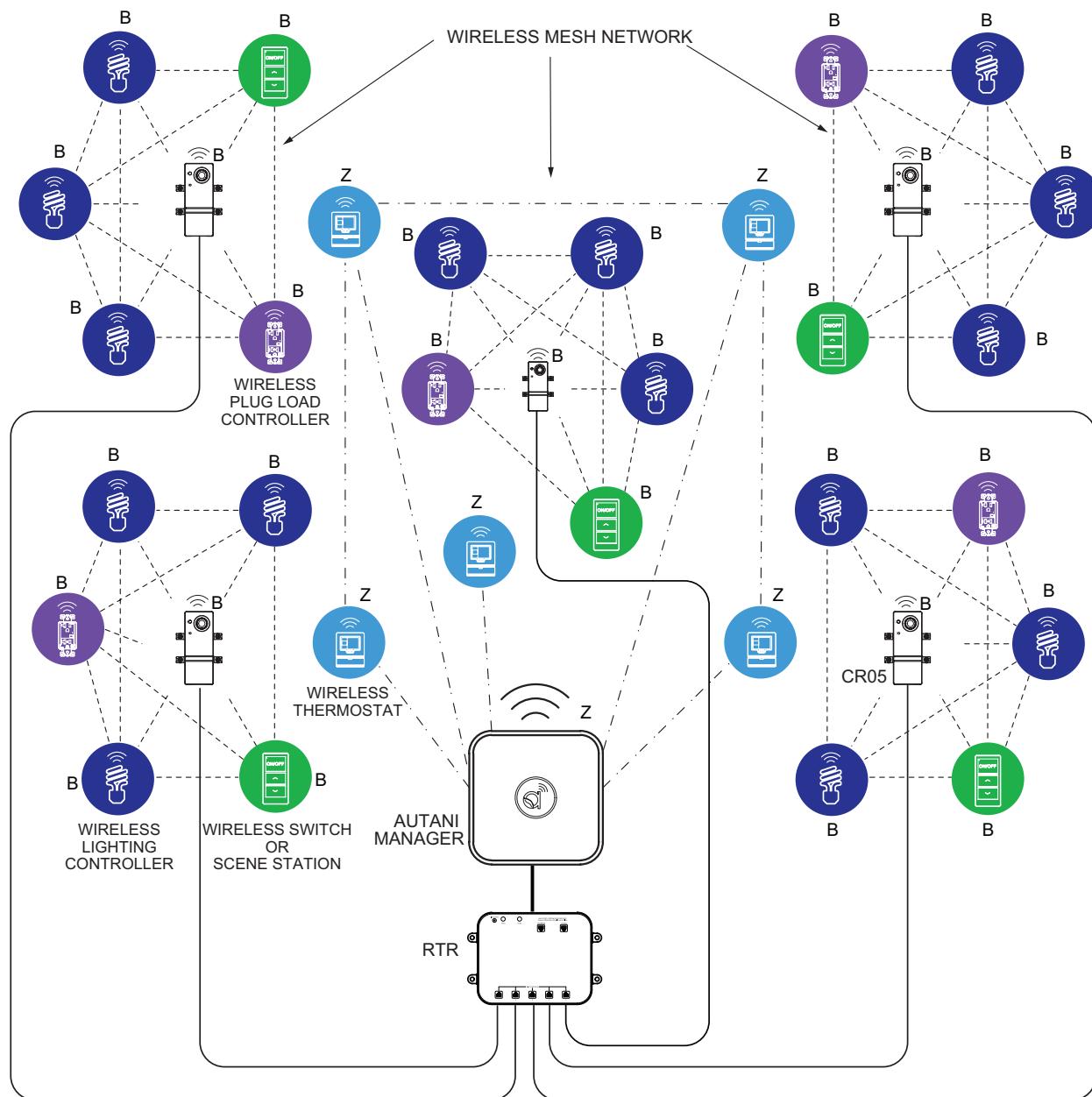
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AUTANI MESH NETWORK

The Autani Manager serves as the central control hub, generating control signals for connected devices while managing a wireless mesh network that enables seamless remote monitoring and control across an entire building.

Acting as the host for EnergyCenter®, Autani's powerful management software and user interface—the Autani Manager facilitates real-time data collection, system oversight, and intelligent automation. Through EnergyCenter®, users gain centralized access to monitor, analyze, and optimize all devices within the Autani ecosystem, ensuring enhanced efficiency, connectivity, and operational control.



Z = Zigbee

B = Bluetooth®



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ORDERING INFORMATION

Model	Description
A13-01-2020-04	<p>Autani Manager <i>Offers versatile mounting options and comes equipped with EnergyCenter® Enterprise Software. Requires the purchase of EnergyCenter® Node Licenses to cover all managed nodes.</i></p>
RTR.AO	<p>Autani RTR (Router) <i>A routing device designed to provide scalable connectivity by integrating one or multiple CR05 Bluetooth® interface devices and RTRs with the Autani Manager. Supports up to 1,000 devices per Autani Manager. Includes optional power supply.</i></p>
CR05.AO	<p>Autani CR05 (Antenna) <i>A dedicated Bluetooth® interface that supports a single Keilton+autani Zone with up to 100 nodes.</i></p>
AU-NET-EM-NODE-6MO	<p>EnergyCenter® Node License 6 Months <i>License for portal.autani.net 6 Months – Included with hardware purchase – Energy Monitoring + Device Monitoring on portal.autani.net (per node) – 6 Months of energy monitoring and real-time device access on portal.autani.net – Used for all nodes connected to Autani Manager. Term starts when system commissioning is completed.</i></p>
AU-NET-EM-NODE-1YR	<p>EnergyCenter® Node License 1 Year <i>License for portal.autani.net 1 Year – Included with hardware purchase – Energy Monitoring + Device Monitoring on portal.autani.net (per node) – 1 years of energy monitoring and real-time device access on portal.autani.net – Used for all nodes connected to Autani Manager. Term starts when system commissioning is completed.</i></p>
AU-NET-EM-NODE-5YR	<p>EnergyCenter® Node License 5 Year <i>License for portal.autani.net 5 Year – Included with hardware purchase – Energy Monitoring + Device Monitoring on portal.autani.net (per node) – 5 years of energy monitoring and real-time device access on portal.autani.net – Used for all nodes connected to Autani Manager. Term starts when system commissioning is completed.</i></p>
Optional Accessories	
AU-BACNET	<p>Add Connect Building Automation Interface Software to Autani Manager. <i>Support data export to BACnet; license per Autani manager.</i></p>
AU-PRO	<p>EnergyCenter® PRO License for Advanced Automation. <i>License per Autani Manager.</i></p>

CONTACT US

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