

Description

The Autani *Manager* appliance is a rugged, industrial control processor that is the heart of innovative integrated energy management systems powered by *EnergyCenter* software. The *Manager* coordinates all energy management functions utilizing *autaniNet* wireless, wired Ethernet, and optional wired connectivity to third party systems to securely manage building functions.

The compact Autani *Manager* receives input from environmental sensors, local controls, and metering devices throughout a facility. Based upon sensor input, schedule, local input, curtailment, and event information, adjustments to lighting, HVAC, fans, networked PCs, and plug devices are managed in real time to minimize energy waste and maximize savings.

The Autani *Core* aggregates sensor data throughout the building and sends it to the *Manager*, economically extending the reach of the Autani *Manager* to ensure that every area of a facility is optimally managed.

Applications

Autani Managers and Cores 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, fans, networked PCs, and plug devices
- Metering and demand response
- Optional connectivity to Modbus and BACnet
- Easy to install and configure: simply mount, connect, power, and go!
- *autaniNet* 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
- **Designed & Made in the USA**

Specifications

APPLIANCE

- Mounting: Wall bracket or table-top
- Storage: mSATA SSD
- Endpoint Capacity: ~120, additional endpoints can be added via Autani CORE add-ons
- Operating System: Secure Linux-based variant

POWER SUPPLY

- Voltage: 120VAC 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: 59370, 59371, 54261
- TCP: 443 (required for remote access, outbound secured VPN connection)

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: Black (Manager), White (Core)
- Weight: 1.6 lbs (0.7 kg)

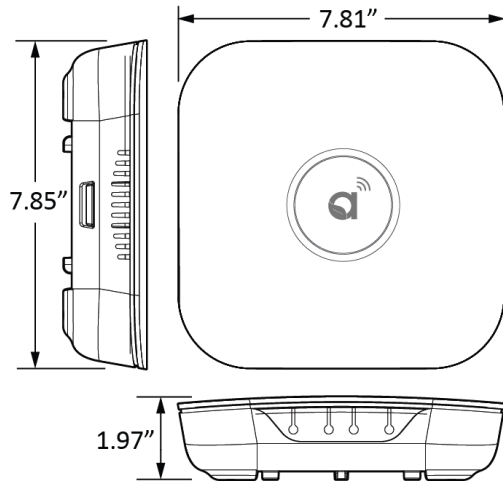


Indoor use only

Ordering Information

SKU	Description
A13-01-2020-04	Autani Energy Manager-1 <i>With flexible mounting options and EnergyCenter Enterprise Software. Requires purchase of EnergyCenter Node Licenses to cover all nodes under management.</i>
A13-01-2020-01	Autani CORE-1 <i>With flexible mounting options. Extends Energy Manager-1 by 120 nodes. Each CORE-1 must be associated with at least one Energy Manager-1.</i>
A08-01-0161-02	EnergyCenter Node License <i>License pack of 25 nodes</i>
Optional Accessories	
A08-01-3151-04	Add Connect Building Automation Interface Software to Autani Manager <i>Supports data export to Tridium Niagara AX Platform, ModBus, or BACnet</i>
A08-01-3151-05	EnergyCenter PRO Node License for Advanced Automation <i>License pack of 25 nodes</i>
A08-01-0161-01	Zigbee Edge Connection License <i>Required for 3rd party devices in addition to Node Licenses</i>
A07-01-0403-02	autaniNet Wireless Range Extender <i>Extends wireless range up to 2000'</i>

Dimensions



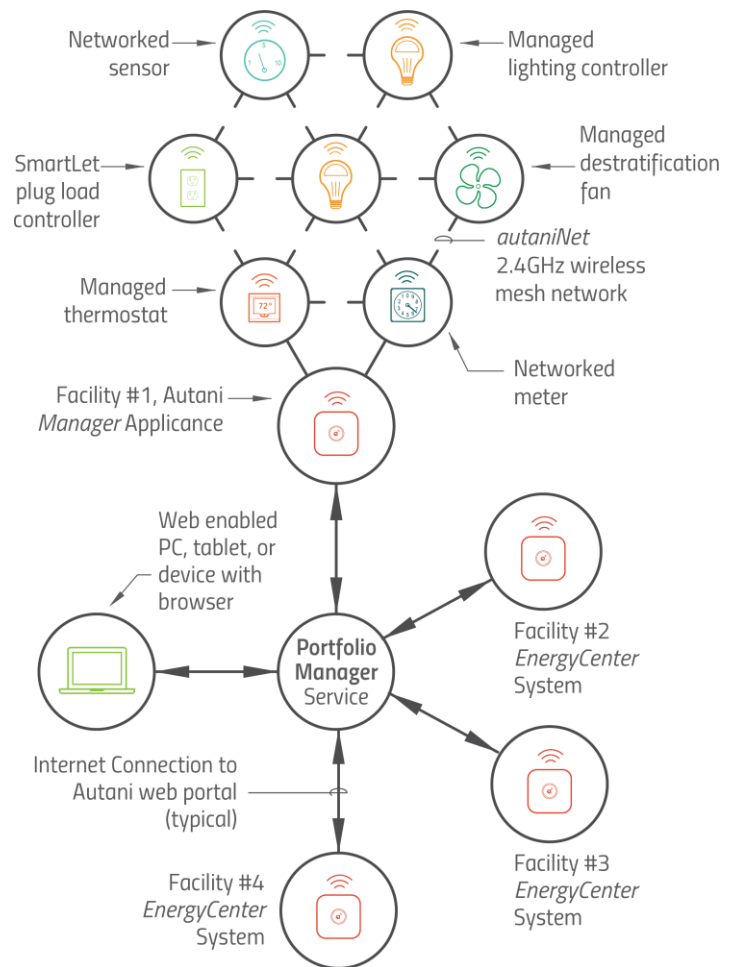
The EnergyCenter Family

It all centers on energy management

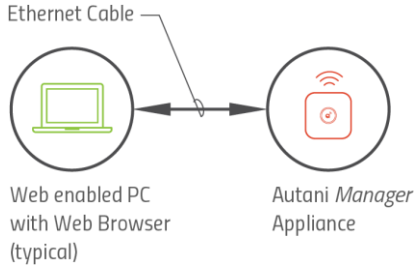
Autani's *EnergyCenter* software integrates any combination of lighting, metering, HVAC/ environmental, refrigeration, and sensor applications into a single management platform that optimizes energy use based on schedules, occupancy, demand response, and local input. *EnergyCenter* delivers an easy-to-use web-based interface that provides local or remote access for managing energy consumption within a single building or across an entire portfolio.

Multi-Site Connectivity

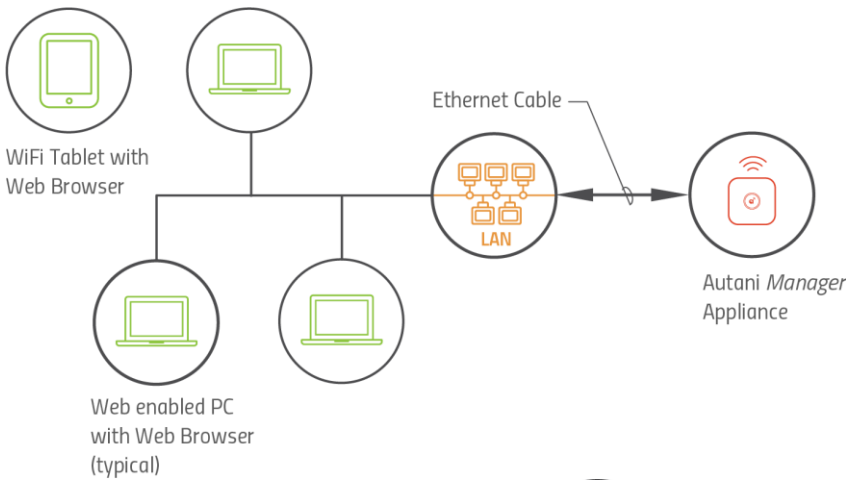
Autani's *Portfolio Manager* is a hosted software solution for managing the temperature, lighting, and energy consumption of multi-site facilities. Using a secure, web-based interface that connects two or more *EnergyCenter* systems, *Portfolio Manager* directs schedules, alerts, and demand response events across multiple premises.



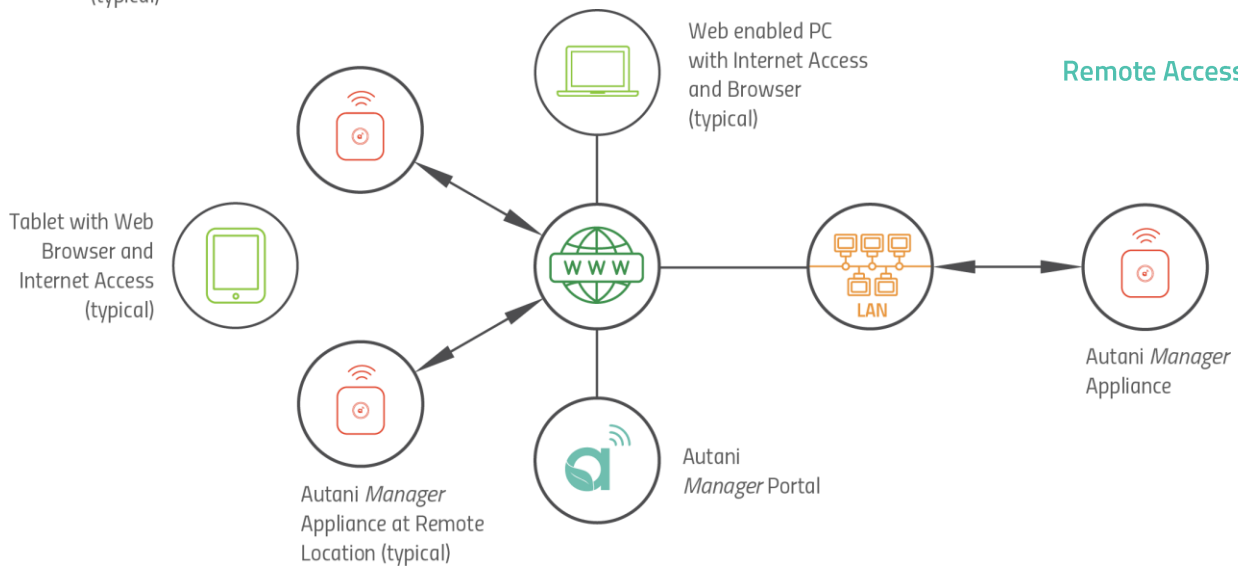
Autani Manager Connectivity



Direct Connection



LAN Connection



Remote Access via Web