

#### APPLICATIONS:

*Web Comfort is suitable for renovation, upgrade and new construction projects.*

- Commercial Offices
- Educational Facilities
- Worship Facilities
- Research Facilities
- Retail Locations
- Hospitality & Restaurants

#### 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!
- Secure wireless 2.4GHz ZigBee 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
- Web Comfort products operate independently or as an integrated solution
- Made in the USA (ARRA Compliant)



#### DESCRIPTION:

The Web Comfort WEB-TM Energy Manager from Jackson Systems is a rugged, industrial control processor that is the heart of innovative integrated energy management systems powered by Web Comfort software. The Energy Manager coordinates all energy management functions utilizing Web Comfort wireless network.

The compact Web Comfort WEB-TM Energy 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 implemented in real time to minimize energy waste.

Communication with other Web Comfort Meters, the Web Comfort Energy Manager running metering software and other Web Comfort devices (such as lighting and HVAC controls) is via a reliable wireless mesh network.

#### SPECIFICATIONS:

##### APPLIANCE

Mounting: Wall bracket or table-top  
Storage: SATA 2.5" hard drive  
Endpoint Capacity: ~300, upgradable to 1000  
Operating System: Secure Linux-based variant

##### POWER SUPPLY

Voltage: 120VAC input/ 12VDC output  
Power: 20 watts max.

##### I/O SUPPORT

LAN: 1x10/ 100/ 1000 Ethernet, TCP/ IP v4  
UDP ports: 49657, 54261, 59370, 59371  
Serial: 2 - 1 dedicated internal, 1 open  
USB: 2 USB 2.0 host interfaces

##### PROTOCOLS

Serial: Modbus, RS-485, MS/ TP  
Wireless: 802.15.4 with mesh networking  
Ethernet: HTTP/ HTTPS  
Security: Internal firewall, isolated wireless and internal processors

##### RADIO NETWORK

IEEE 802.15.4-2003 2.4GHz ISM (ZigBee)  
Range: Approx. 1000' LOS transmit/ receive

##### REGULATORY APPROVALS

UL 60950  
FCC (V8NZRB1000141) &  
IC (7737A-ZRB1000141), Certified Class B  
Digital Device, FCC Part 15

##### ENVIRONMENTAL

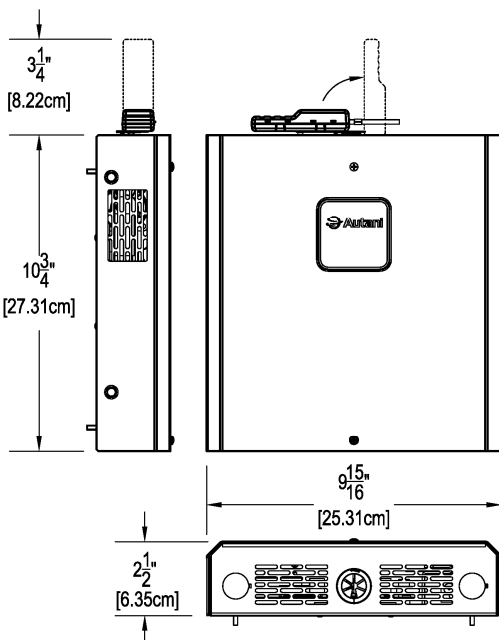
Operating Temperature: 50° to 104°F  
Storage Temperature: -13° to 149°F

##### PHYSICAL

Dimensions (HxWxD): 10.75 x 9.94 x 2.5in (27.31 x 25.25 x 6.35cm)  
Color: Black  
Weight: 5.0lbs (2.68kg)

#### ORDERING INFORMATION:

SKU	Description
Appliances as shown include wall-mounted Web Comfort Manager with Web Comfort Software, which includes thermostat, lighting, metering, and fan software. Web Comfort Manager includes Ethernet and Web Comfort wireless interfaces.	
WEB-TM	Web Comfort Energy Manager with Web Comfort Software (For up to 100 Devices)
WEB-TM-PLUS	Web Comfort Energy Manager with Web Comfort Software (For up to 400 Devices)
Optional Accessories:	
WEB-TIS	Tridium Interface Software Supports TCP/IP connectivity via Tridium Niagara AX Platform or ModBus
WEB-PRO	Add Web Comfort PRO Advanced Automation Tools to Web Comfort Energy Manager



## The Web Comfort Family

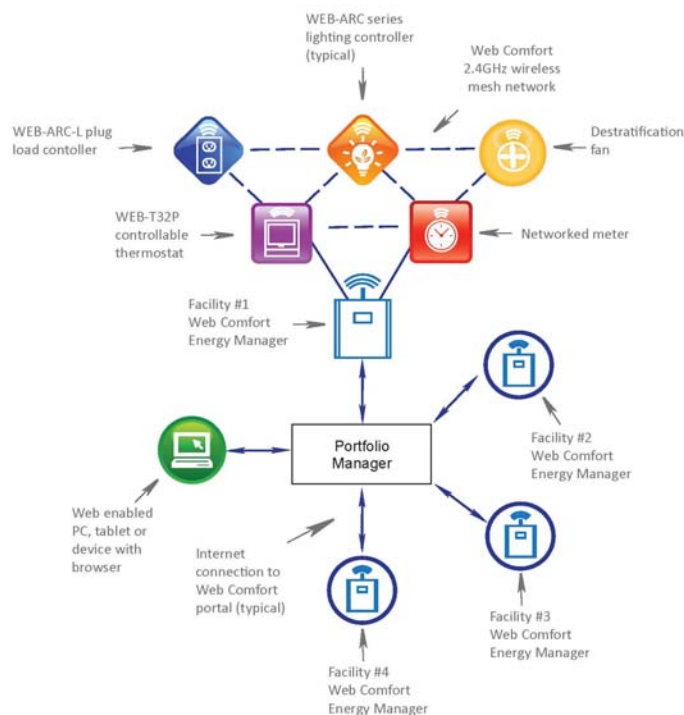
### Energy Management Done Right

The Web Comfort product line from Jackson Systems integrates lighting, climate control, fans, metering, and plug loads to provide a powerful integrated energy management solution. The lighting, thermostat, fan control and metering software share the Web Comfort Energy Manager and operate as an integrated application.

Web Comfort software communicates via the Web Comfort Energy Manager to lighting controllers, motion sensors, thermostats, fans, meters and plugs using a secure wireless 2.4GHz ZigBee communications network.

## MULTI-SITE CONNECTIVITY:

Web Comfort'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 Web Comfort systems, Portfolio Manager directs schedules, alerts and demand response events across multiple premises.



#### WEB COMFORT WEB-TM MANAGER CONNECTIVITY:

