

APPLICATIONS:

WebComfort 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
- Specified Comfort products operate independently or as an integrated solution
- Made in the USA (ARRA Compliant)



DESCRIPTION:

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

The compact WebComfort 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 WebComfort Meters, the WebComfort Energy Manager running metering software and other WebComfort 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

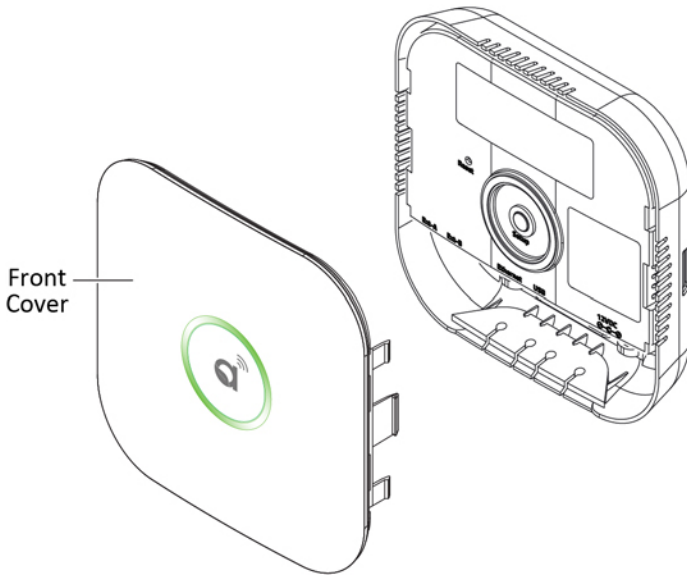
Dimensions (HxWxD): 10.75 x 9.94 x 2.5in
(27.31 x 25.25 x 6.35cm)
Color: Blue
Weight: 5.0lbs (2.68kg)

ORDERING INFORMATION:

SKU	Description
	Appliances as shown include wall-mounted WebComfort Manager with WebComfort Software, which includes thermostat, lighting, metering, and fan software. WebComfort Manager includes Ethernet and WebComfort wireless interfaces.
WEB-TM	WebComfort Energy Manager with WebComfort Software (For up to 100 Devices)

WebComfort

WEB-TM WebComfort Energy Manager Integrated Energy Management



THE WEBCOMFORT FAMILY ENERGY MANAGEMENT DONE RIGHT

The WebComfort product line 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 WebComfort Energy Manager and operate as an integrated application.

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

MULTI-SITE CONNECTIVITY:

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



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WEBCOMFORT WEB-TM MANAGER CONNECTIVITY:

