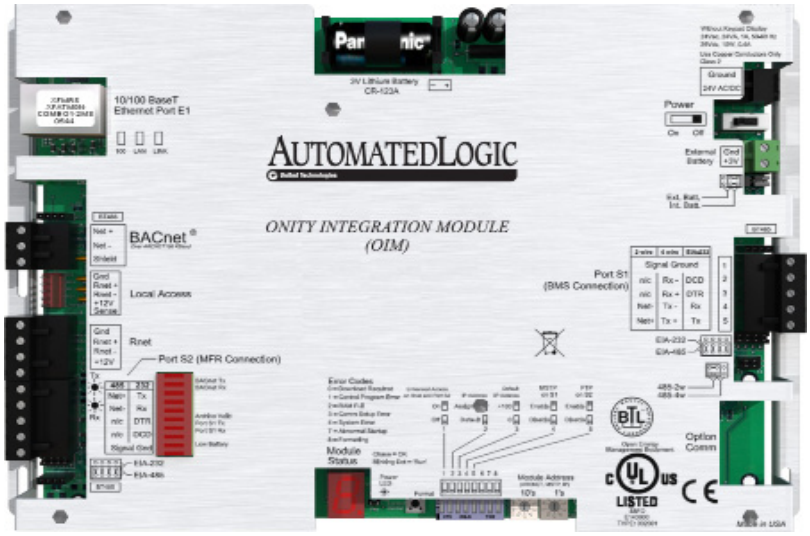
OIM

Integrated Hospitality Energy Management Solution, with the power and simplicity WebCTRL



Placeholder Graphic

The OIM is a high-speed BACnet router that enables comprehensive hospitality energy management within the WebCTRL® environment. By combining guest-controlled comfort setting for their rooms with the power of Automated Logic's WebCTRL, Hospitality managers have a compressive control of their facilities energy usage without sacrificing guest comfort.

Key Features and Benefits

- Common areas and plant managed by, and entire hotel visible in Automated Logic WebCTRL.
- Guest-controlled comfort setting for their room via Onity wireless SensorStat-DDC units.
- Wireless Onity Room Control Unit commands the local room HVAC based on in information received from the wireless SensorStat-DDC unit and Occupancy which is algorithmically determined by:
  - Occupancy Sensing from Onity wireless SensorStat-DDC and optional remote sensors
  - Door position sensor.
  - Sold/Unsold Status in Property Management System.
- Unsold rooms move to maximum setback.
- Rooms that are sold but unoccupied are allowed to drift within configurable temperature ranges.
- Temperature, humidity, occupancy and set point shared with WebCTRL.
- Designed with a high-speed true 32-bit microprocessor with cache memory, Fast Ethernet controller, high performance 32-bit serial communications co-processor, ARCNET communications co-processor and CAN (Control Area Network) co-processor.
- The horsepower to manage up to 99 Onity SensorStat-DDC units.
- 16 MByte battery-backed SDRAM (32 bit wide), with 12 MBytes available for use, stores application programs, trends and other data when power is lost.
- 8 MByte Flash memory (32 bit wide) for easy field upgrades over the network.
- Battery backed real-time clock provides true standalone capabilities. Control modules recover from power failures providing full continuity of operations, even when communications are disrupted.
- Tough construction delivers superior performance and reliability. Modules are constructed with a rugged aluminum cover which provides optimum electrical protection and noise immunity.

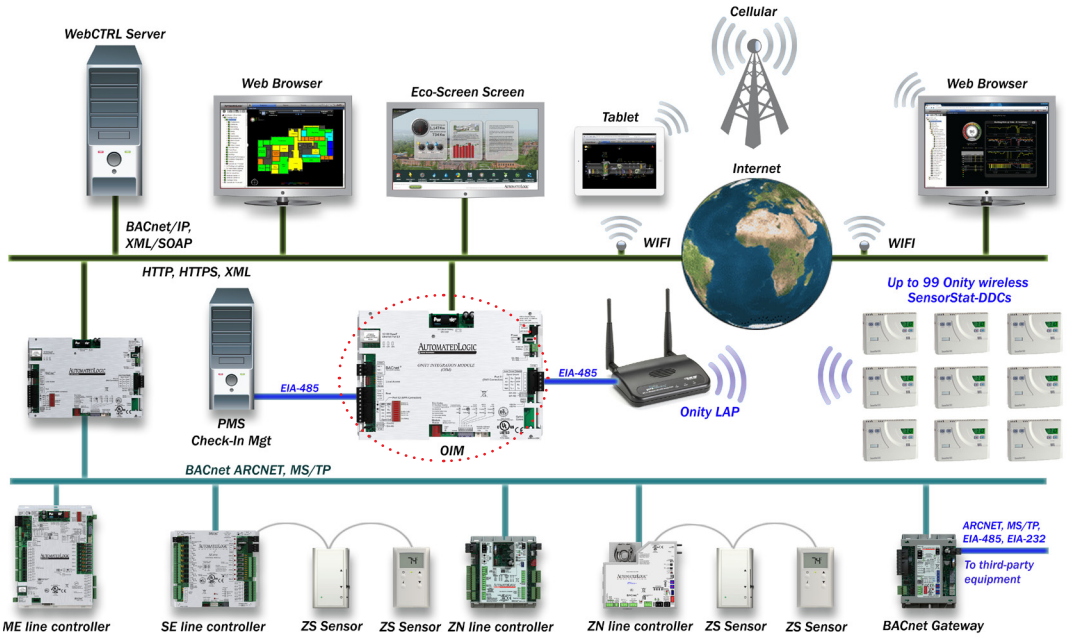
AUTOMATEDLOGIC
United Technologies

1150 Roberts Boulevard
Kennesaw, Georgia 30144
770/429-3000
Fax 770/429-3001

www.automatedlogic.com

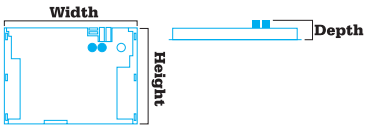
OIM

Specifications



BACnet Support:	Conforms to the BACnet Advanced Application Controller (B-AAC) Standard Device as defined in BACnet 135-2001 Annex L. - Protocol Revision 9
Communication:	The following ports are available on the OIMs: Ethernet port* (10/100Mbps) for BACnet over Ethernet or BACnet/IP communications. EIA-485 port for ARCNET 156 Kbps or BACnet MS/TP (9600 baud to 76.8 Kbps). EIA-232/485*configurable port for BACnet PTP. Local access port. *Third-Party integration drivers available through Ethernet and (1) EIA-232/485 configurable port.
Microprocessor:	32-bit Motorola Power PC microprocessor with cache memory, Fast Ethernet controller, high performance 32-bit communication co-processor, ARCNET communication co-processor and I/O expansion CAN co-processor.
Memory:	16 MByte non-volatile battery-backed SDRAM (with 12 MBytes available for use), 8 MByte Flash memory, 32-bit memory bus. (Shelf life of the battery is 10 years with 720 hours of continuous operation.)
Real-time Clock:	Battery-backed real-time clock.
Status Indicators:	LED status indicators for EIA-232/485 communication, Ethernet port communication, and low battery status. 7-segment status display for running, error, and power status.
Module Addressing:	Rotary dip switches for intuitive network addressing of modules.
Protection:	Built-in surge and transient protection circuitry for power and communications.
Listed by:	UL916 (Canadian Std C22.2 No. 205-M1983), CE, FCC Part 15 - Subpart B - Class A.
Environmental Operating Range:	-20°F to 140°F (-29°C to 60°C); 10 to 90% relative humidity, non-condensing. NOTE: Control modules should be installed within the building.
Power Requirements:	24 V-ac ± 10%, 50 to 60Hz, 24 VA, or 26 V-dc ± 10%, 10W. NOTE: Power consumption will increase when BAC*view*6 or other accessories are attached.
Physical:	Rugged aluminum cover. Removable screw terminal blocks.
Weight:	1.4 lb. (0.635 kg)

Dimensions:



Overall
Width: 11-5/16" (287mm)
Height: 7-1/2" (190mm)
Depth: 2-3/4" (70mm) min. panel depth

Mounting
Width: 10-13/16"(275mm)
Height: 5" (127mm)

Automated Logic Corporation . 1150 Roberts Boulevard . Kennesaw, Georgia 30144 . 770/429-3000 . Fax 770/429-3001 . www.automatedlogic.com

© United Technologies Corporation 2013. All rights reserved. Copyright Policy
BACnet is a registered trademark of ASHRAE. All other trademarks are the property of their respective owners. Specifications are subject to change without prior notice.
Automated Logic is a part of UTC Building & Industrial Systems, a unit of United Technologies Corp

Made in the USA

OIM_CS_08152014