

# OPTICORE™ OC-GW-E2

The OptiCore OC-GW-E2 represents the next generation of a building automation system. Functioning as a comprehensive router and gateway, the OC-GW-E2 facilitates the seamless integration of equipment from various manufacturers into a building automation system, employing BACnet and/or Modbus protocols.

## Link Features

- BACnet Testing Laboratories (BTL) certified
- Conforms to BACnet Router (B-RTR), and BACnet BBMD (B-BBMD) standard device profiles
- Supports BACnet routing between BACnet/IP, BACnet/Ethernet and BACnet/MSTP networks
- Can serve as the BACnet Broadcast Management Device (BBMD)
- Supports Modbus RTU and Modbus TCP/IP
- Supports up to 1,500 third-party BACnet points and up to 1,000 Modbus points (IP or Modbus RTU)
- Supports BACnet Foreign Device Registration (FDR)

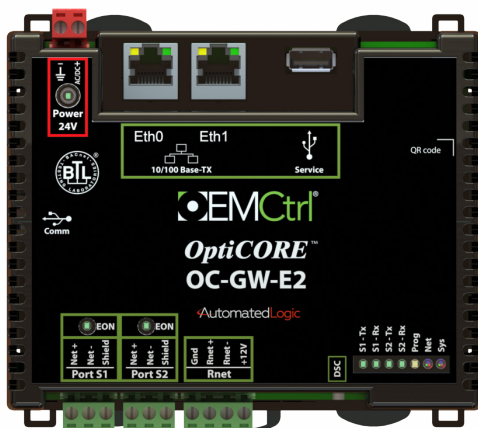
## Hardware Features

- Supports IPv4 networks
- Two 10/100 Mbps Ethernet Ports with fail-safe relay
- Two isolated serial ports, supporting speeds from 9.6 to 115.2 Kbps
- USB 2.0 service port for setting up the gateway and troubleshooting through a local connection to a computer, the OptiCORE ET display, or USB Wireless service adapter
- Compact footprint simplifies installation and optimizes panel space

## System Benefits:

- Connects seamlessly into a building automation system

## OptiCORE: OC-GW-E2



Part# OC-GW-E2



# Specifications

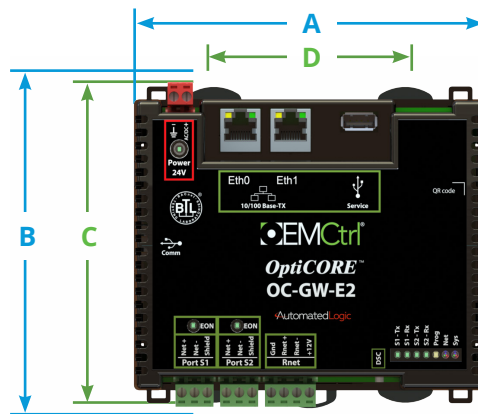
Power	24 Vac ± 10%, 50-60 Hz, 50 VA 24 Vdc ± 10%, 18 W
Physical	Fire-retardant plastic ABS, UL94-5VA
Operating Range	-40 to 158°F (-40 to 70°C), 10-95% relative humidity, non-condensing
Communication Ports	<p><b>Max Integration Points:</b> Supports 1,500 BACnet points and 1,000 Modbus points (IP or Modbus RTU)</p> <p><b>Eth0, Eth1:</b> 10/100 BaseT, full duplex, Ethernet ports for BACnet/IP and/or BACnet Ethernet, or Modbus TCP/IP communication.</p> <p><b>Port S1:</b> For communication with a BACnet MS/TP network at 9600 to 115200 bps or with a Modbus serial network at 9600 to 115200 bps.</p> <p><b>Port S2:</b> For communication with a BACnet MS/TP network at 9600 to 115200 bps or with a Modbus serial network at 9600 to 115200 bps.</p> <p><b>End of Net</b> switch can be turned on to terminate the network segment.</p> <p><b>Rnet:</b> Supports up to 15 ZS sensors and one Equipment Touch; Supplies 12 VDC/260 mA power to the Rnet across its rated temperature range.</p> <p><b>Service Port:</b> USB 2.0 service port for setting up the gateway and troubleshooting through a local connection to a computer, the OptiCORE ET display, or USB Wireless service adapter.</p>
Real Time Clock	Real-time clock keeps track of time in the event of a power failure for up to 3 days
Protection	Device is protected by a replaceable, fast acting, 250 Vac, 3A, 5mm x 20mm glass fuse The power and network ports comply with the EMC requirements EN50491-5-2.
LED Status Indicators	Tricolor <b>NET</b> LED to show network status / Tricolor <b>SYS</b> LED to show system status/ <b>POWER</b> LED/ <b>S1 EON</b> LED/ <b>S2 EON</b> LED/A <b>TX</b> (Transmit) and <b>RX</b> (Receive) LED for: Port S1 and S2
Compliance/Listing	United States of America: FCC compliant to Title CFR47, Chapter 1, Subchapter A, Part 15, Subpart B, Class A; UL Listed to UL 916, PAZX, Energy Management Equipment; Canada: Industry Canada Compliant, ICES-003, Class A cUL Listed UL 916, PAZX7, Energy Management Equipment; Europe: Mark, UK: EN50491-5-2:2009; Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment RoHS Compliant: 2015/863/EU REACH Compliant; Australia and New Zealand: C-Tick Mark, AS/NZS 61000-6-3
Mounting	35mm DIN rail mounting or screw mounting



## Dimensions

- A:** 5.51 in. (13.99 cm)
- B:** 5.88 in. (14.94 cm)
- Depth:** 2.01 in. (5.11 cm)
- Weight:** .75 lbs. (.3402 kg)

- Screw Mounting**
- C:** 5.29 in. (13.44 cm)
  - D:** 3.0 in. (7.62 cm)



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