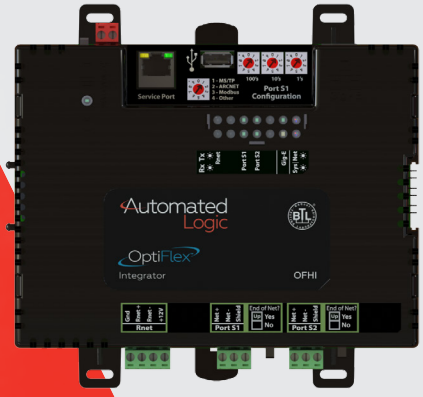
OPTIFLEX™ INTEGRATOR

HIGH SPEED ROUTING AND INTEGRATION



Automated Logic

INTEGRATOR FOR THE WEBCTRL® BUILDING AUTOMATION SYSTEM

The OptiFlex Integrator supports routing between multiple BACnet networks. It also supports custom control programs to easily integrate with third party BACnet or Modbus equipment such as variable speed drives, boilers, and lighting.

OptiFlex™

KEY FEATURES AND BENEFITS

Application Features

- Supports routing between BACnet/IP, BACnet/Ethernet, BACnet ARCnet, and BACnet MS/TP networks
- Supports up to: 12,000 network visible BACnet objects; 1,000 Modbus points; 1,500 third party BACnet points
- Includes two additional BACnet ports for supporting either two simultaneous BACnet MS/TP networks (with up to 60 controllers each), or one ARCnet network (with up to 99 ARCnet controllers) and one BACnet MS/TP network (with up to 60 controllers)
- Can serve as a BACnet Broadcast Management Device (BBMD), routing any BACnet broadcast messages directly to other BBMD devices on the BACnet network
- Supports BACnet Foreign Device Registration (FDR)

Hardware Features

- Supports and executes control programs
- Supports up to two BACnet/IP networks on the Gig-E port
- Supports Gig-E, 1,000Mbps BACnet IP and DHCP IP addressing
- Ethernet port provides local access for system start-up and troubleshooting
- Supports network captures for advanced diagnostic
- Provides network statistics numerically or as trend graphs inside the WebCTRL buiding automation system
- Supports DIN rail and screw mounting
- Capacitor-backed real-time clock keeps time in the event of power failure or network interruption for up to three days
- Connects seamlessly to the WebCTRL building automation system

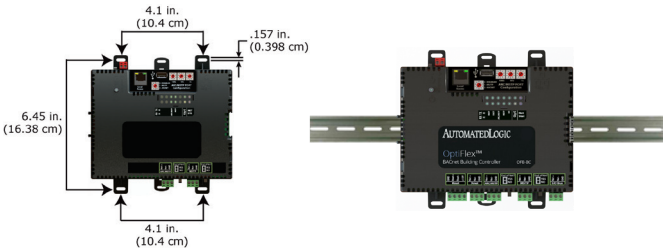
WebCTRL®

The WebCTRL building automation system gives you the ability to understand your building operations and analyze the results. Integrate environmental, energy, security and safety systems into one powerful management tool that helps you reduce energy consumption, increase occupant comfort, and achieve sustainable building operations.

SPECIFICATIONS

Part #	OFHI OptiFlex Integrator
BACnet Conformance	Conforms to the Advanced Application Controller (B-AAC) Standard Device Profile as defined in ANSI-ASHRAE Standard 135-2004 (BACnet) Annex L. Tested to Protocol Revision 12.
Power	24Vac +/- 10%, 50 - 60Hz, 50VA | 26Vdc +/- 10%, 15 W
Communication	
Gig-E Port	10/100/1000 BaseT Ethernet port for BACnet/IP and/or BACnet/Ethernet and/or Modbus full duplex
Serial Port 1	For communication with either of the following: • A BACnet ARCNET network at 156,000 bps • A BACnet MS/TP network at 9,600 to 115,200 bps • A Modbus at 1200 to 115200 bps
Serial Port 2	For communication with a BACnet MS/TP network at 9,600 to 115,200 bps, or Modbus at 1200 to 115200 bps
Local Access Port	Ethernet port at 10 or 100 Mbps for system start-up and troubleshooting
Microprocessor	32-bit ARM Cortex-A8, 600 MHz, processor with multi-level cache memory, two Ethernet controllers, and USB 2.0 host port
Protection	Device is protected by a replaceable, fast acting, 250 Vac, 2A, 5mm x 20mm glass fuse. The power and network ports comply with the EMC requirements EN50491-5-2
Environmental Range	32 to 140° F (0 to 60° C); 10 - 90% relative humidity, non-condensing
Physical	Fire-retardant plastic ABS, UL94-5VA
Memory	16 GBs eMMC Flash memory (120 MB available for use) and 256 MB DDR3 DRAM. User data is archived to non-volatile Flash memory when parameters are changed, every 90 seconds, and when the firmware is deliberately shutdown or restarted.
Real Time Clock	Real-time clock keeps track of time in the event of a power failure for up to 3 days
Compliance	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, PAZX, Energy Management Equipment; Europe: Mark EN50491-5-2:2009; Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment; EN50491-3:2009, Part 3: Electrical safety requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS); Low Voltage Directive: 2014/35/EU; RoHS Compliant: 2011/65/EU; Australia and New Zealand: C-Tick Mark AS/NZS 61000-6-3
Mounting	DIN rail mounting or screw mounting
Program Capabilities	**Controller** | **Programs** | **Programmed with** | **Objects | Points** OFHI | 999* | EIKON® software | Up to 12,000 network visible BACnet objects* Up to 1,500 third-party BACnet integration points* Up to 1,000 modbus integration points* * Depending upon available memory

Figure 1: Physical Dimensions



Weight: 1.1 lbs 0.482 kg

Assembled in the United States

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