

Red5 Series

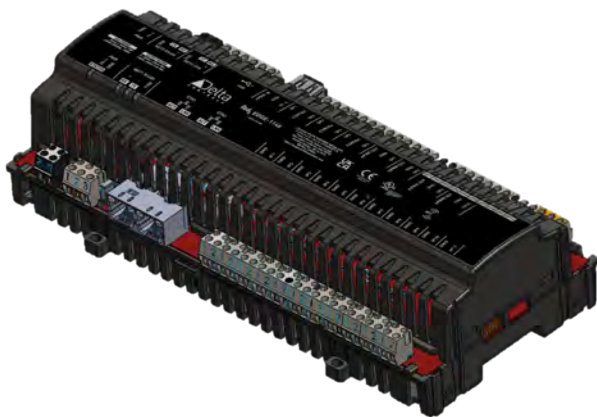
Red5-EDGE-1146

Description

Get faster processing speed, increased memory, and secure, scalable IoT connectivity with our new line of Red5 controllers.

As a fully programmable BACnet application controller, the Red5-EDGE-1146 supports a wide range of applications, from system-level control to unitary control, with onboard and modular I/O options providing added flexibility over previous generations.

Using the Proviso app, you can adjust network settings, view sensor data, and calibrate sensors via NFC or Bluetooth. In addition, the Red5 allows for custom IoT applications, opening up new possibilities for the smart buildings of tomorrow.



Application

Building on the legacy of the DAC/DSC, the Red5 system combines HVAC, access control, and lighting control in a modular system, with multiple controls and I/O points in one unit.

With workflow improvements, I/O expandability, and IoT connectivity, Red5 provides seamless integration and a better occupant experience at a lower energy cost.

Features

- ▶ Fully programmable using GCL+
- ▶ Dual Ethernet ports
- ▶ Bluetooth (BLE 5.0) and NFC connection
- ▶ Supports CAN modules for expansion
- ▶ Firmware upgrade and database load/save over the network
- ▶ Advanced fault detection and diagnostics
- ▶ 2 USB ports
- ▶ DIN rail mountable
- ▶ LED light pipe indicator for each output, power, CPU and SCAN status

Specifications

BACnet Device Profile

BACnet Building Controller (B-BC)

Inputs

11 universal inputs (16-bit), supporting:
0–5 VDC
0–10 VDC
10 kΩ thermistor
4–20 mA

Outputs

4 analog outputs

6 binary TRIAC outputs (jumper configured for internal or external power)

Device Addressing

Software addressed

Connectors

Removable screw-type terminal connectors

Wiring Class

Class 2 / SELV

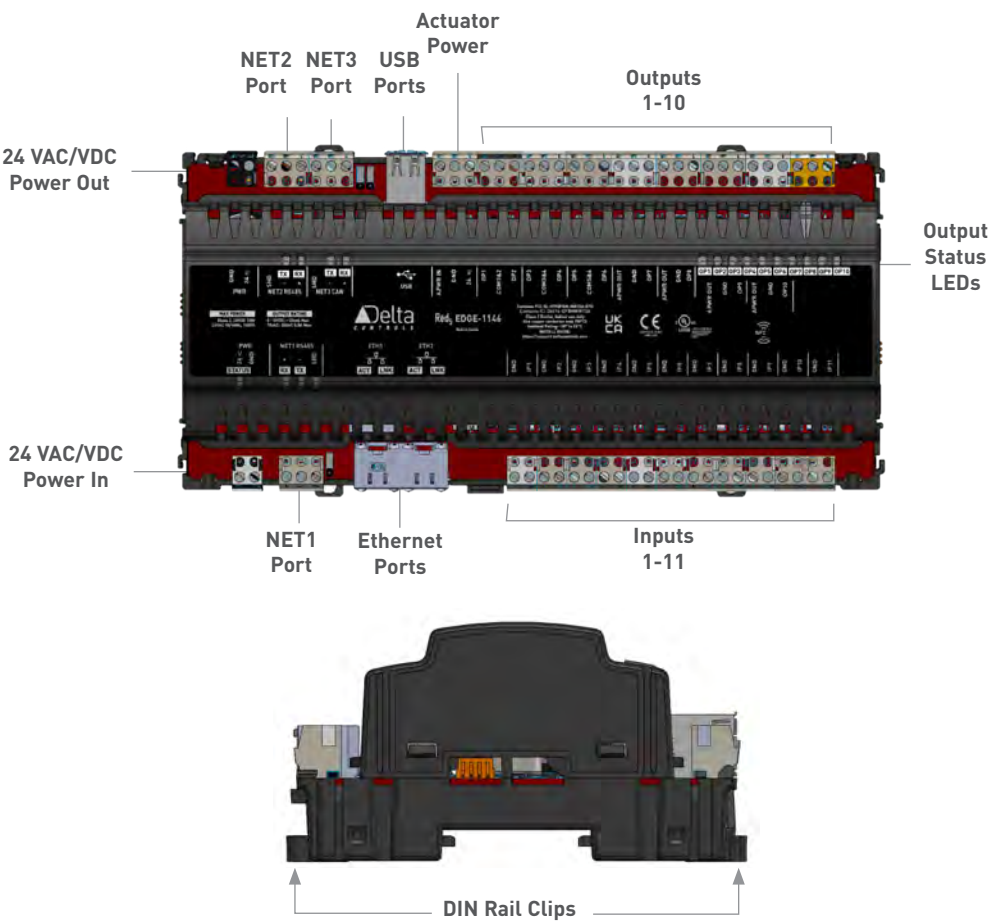
Power

24 VDC (20 W max)
24 VAC @ 50 VA, 100 VA max with fully-loaded, internally powered triac outputs

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Ordering

Order the Red5-EDGE-1146 with one or more modules or hubs:

Red5-EDGE-1146	Base unit: 3 networks ports, 2 Ethernet ports, 2 USB ports, 11 inputs, 10 outputs
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Accessories

Red5-BACKUP	Super-cap database backup on power fail
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Specifications (Continued)

Technology

32-bit ARM processor
256 MB RAM
4 GB flash memory
24.4 KB GCL+ PG size
20 MB database space

Communications Ports

2 Ethernet (10/100-Base T) with switchable bypass
BACnet/IP, BACnet over Ethernet, BACnet/SC

3 RS-485 ports supporting:

NET1, NET2:
BACnet MS/TP up to 76800 bps, max 4 devices (1 port only)
Delta LINKnet up to 76800 bps, max 12 devices with no more than 2 DFMs (1 port only)
Modbus RTU up to max 5 devices (1 port only)

NET3:
CAN bus only port

2 USB ports
Bluetooth (BLE 5.0)
NFC

Ambient Rating

-30°C to 55°C (-22°F to 131°F)
10% to 95% RH (non-condensing)

Dimensions

252 × 112 × 58 mm
(9.92 × 4.41 × 2.28 in.)

Weight

488 g (1.1 lb) with housing

Compliance

CE
FCC
EAC

Listings

cULus 916 Listed
UKCA Listed



Subject to change without notice.