

# Red5 Series

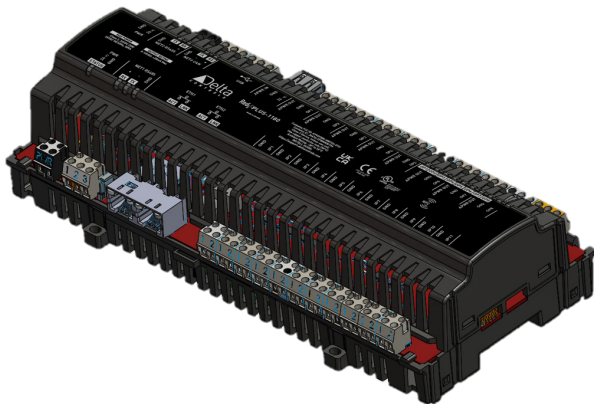
## Red5-PLUS-1180

### Description

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

As a fully programmable IoT system controller, the Red5-PLUS-1180 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 k $\Omega$  thermistor  
4–20 mA

#### Outputs

8 universal outputs

#### Device Addressing

Software addressed

#### Connectors

Removable screw-type terminal connectors

#### Wiring Class

Class 2 / SELV

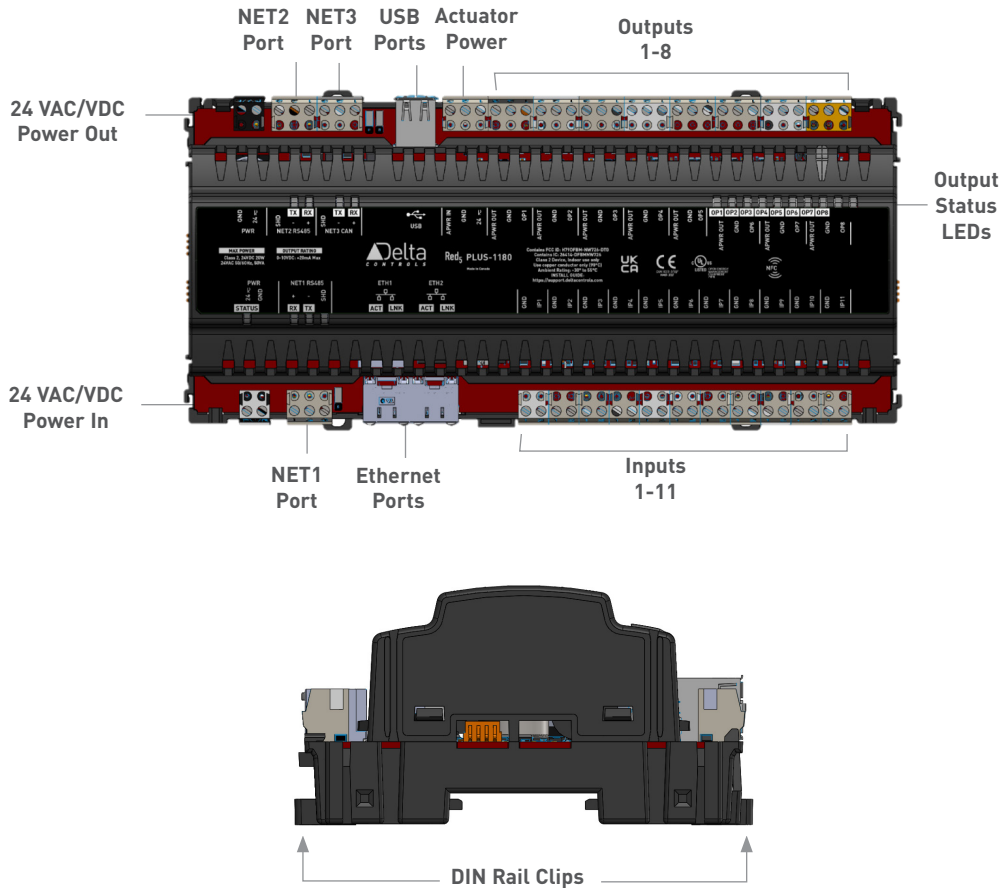
#### Power

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

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### Specifications (Continued)

#### Technology

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

#### Communications Ports

2 Ethernet (10/100-Base T)  
BACnet/IP, BACnet over Ethernet  
BACnet Router  
BBMD and BACnet/SC

3 RS-485 ports supporting:

NET1, NET2:  
BACnet MS/TP up to 76800 bps  
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  
(9.9 × 4.4 × 2.28 in.)

#### Weight

497 g (1.1 lb) with housing

#### Compliance

CE  
FCC  
EAC

#### Listings

cULus 916 Listed  
UKCA Listed

### Ordering

Order the Red5-PLUS-1180 with one or more modules or hubs:

Red5-PLUS-1180	Base unit: 3 networks ports, 2 Ethernet ports, 2 USB ports, 11 inputs, 8 outputs
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### Accessories

Red5-BACKUP	Super-cap database backup on power fail
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Subject to change without notice.