



EdgeReader  
ER40 or ERP40

EdgePlus E400



# EdgeReader™ & EdgePlus™

## Intelligent access at the door

The HID EdgeReader™ and EdgePlus™ put door control and an intelligent access control processor in one package right at the door. The cost-effective Edge product line is ideally suited for today's IT-centric security environment, addressing the requirements for an IP-based solution incorporating a PoE capability that takes advantage of existing CAT-5 cable infrastructure.

The Edge devices provide all the I/O necessary to control one door. The EdgeReader comes with an integrated iCLASS® R40 reader (ER40) or an integrated multiCLASS RP40 reader (ERP40). The EdgePlus (E400) doesn't have an integrated reader but can be interfaced with any reader that has a standard Wiegand output.

Inputs can be assigned to door-related functions or as general purpose I/O. Inputs can be unsupervised or supervised using configurable end-of-line resistance values.

Outputs are implemented using Form-C (NO/NC) relays and can be used for fail-safe or fail-secure lock operation.

The Edge devices are capable of storing up to 44,000 card records. Events generated by the Edge device can be used to trigger actions locally or on other Edge devices on the same network.

Edge devices are managed by a host computer running industry-leading AccessNsite® software. The host computer downloads credential, command, and configuration data to Edge devices and uploads event and status change information for display to operators. Once the Edge device has been configured it can run independently should it lose its connection with the host computer. The Edge device will buffer up to 5,000 events when communication is lost with the host so that they can be uploaded to the host when the connection is restored.

## Features

- Powerful 32-bit RISC processor running the Linux operating system
- 44,000 card holders
- Controls one door
- Same footprint as a traditional reader
- PIV-II, CAC, TWIC compatible
- 128-bit max card number
- Up to 5,000 event buffer
- Built-in 802.3af PoE
- Tamper, AC fail, and battery fail inputs
- Field upgradable firmware
- UL 294 and 1076 recognized
- 18 month limited warranty

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## EdgeReader™ Specifications

### Mounting

- Single-gang style electrical box, indoor use only

### Dimensions

- 3.3" W x 4.8" H x 2.3" D  
(83.8 mm x 121.9 mm x 57.9 mm)

### Weight

- 14.7 oz (.400 kg)

### Card Data Formats

- Supports any card data format up to 128 bits

### Hardware

- 32-bit RISC CPU, 100 MHz processor

### Memory

- 8 MB onboard Flash memory
- 32 MB SDRAM
- 256K SRAM

### Power Supply Requirements

- 1A @ 12-16 VDC maximum POE or external linear power supply

### Operating Temperature

- 32° to 122° F (0° to 50° C)

### Operating Humidity

- 5% to 95% RHNC

### Communication Port

- Ethernet – 10 or 100 Mbps

### Inputs

- 1 door monitor switch
- 1 Request-to-Exit switch
- AC Fail Monitor
- Battery Fail Monitor
- Enclosure Tamper

### Non-latching wet/dry relay outputs for

- 1 door strike / 1 general purpose
  - dry option rating: 2A at 30 VDC
  - wet option rating: 600 mA at supplied input voltage

### Certifications

UL 294 Listed Component, CSA 205 for Canada, FCC Class A Verification (FCC & Industry Canada Certification for Reader Portion Only) ICES-003 Canada, EU (CE Marking), Australia (C-Tick Mark), New Zealand



## EdgePlus™ Specifications

### Mounting

- Single-gang style electrical box, in door use only

### Dimensions

- 3.3" W x 4.8" H x 1.5" D  
(83.8 mm x 121.9 mm x 36.3 mm)

### Weight

- 6.8 oz (.195 kg)

### Card Data Formats

- Supports any card data format up to 128 bits

### Hardware

- 32-bit RISC CPU, 100 MHz processor

### Memory

- 8 MB onboard Flash memory
- 32 MB SDRAM
- 256K SRAM

### Power Supply Requirements

- 1 A @ 12-16 VDC maximum
- PoE or external linear power supply

### Non-latching wet/dry relay outputs for

- 1 door strike / 1 general purpose
  - dry option rating: 2A at 30 VDC
  - wet option rating: 700 mA at supplied input voltage

### Operating Temperature

- 32° to 122° F (0° to 50° C)

### Operating Humidity

- 5% to 95% relative, non-condensing

### Communication Port

- Ethernet – 10 or 100 Mbps

### Inputs

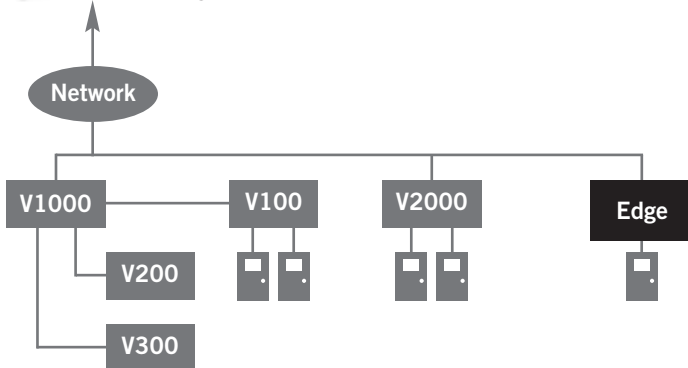
- 1 reader
- 1 door monitor switch
- 1 Request-to-Exit switch
- AC Fail Monitor
- Battery Fail Monitor
- Enclosure Tamper

### Certifications

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\* For a list of pre-configured enclosures, see Quintron's "Enclosures" brochure.