

EdgeReader® Solo ESR40

IP Intelligence at the Door with Integrated iCLASS® Reader for Stand-Alone Applications • 83120B

- ▶ **Simplicity** - Control functions for a single door and HID iCLASS® reader in one device with the same footprint as a traditional reader
- ▶ **Management** - Remotely managed over the network via standard web browser
- ▶ **Real Cost Savings** - Network access is CAT-5 for communications and Power over Ethernet (PoE). Eliminates the need for separate power supplies
- ▶ **Established Open Architecture** - Built on the HID OPIN® platform, can be remotely reconfigured to a system reader in a host environment



EDGE™

ACCESS Intelligence @ the Door

The HID EdgeReader® Solo IP Access Solution puts control and user interface at the door -- right inside the reader. The EdgeReader Solo ESR40 is a cost-effective, stand-alone, single-door IP access control solution. This easy-to-use solution enables remote management and report generation via standard web browser. User information, administration, door configuration and retrieval of events are done through a user-friendly, instructional web environment. Providing "Intelligence to the Door", the flexible EdgeReader Solo ESR40 includes an integrated iCLASS® reader. And the EdgeReader Solo ESR40 IP Access Solution can be converted from stand-alone operation to a system reader for a host environment quickly and easily through the web browser. There is never a need to go to the door.

Features

- ▶ Embedded User Interface, no external software requirement
- ▶ Remotely managed via standard web browser
- ▶ Web Browser Security - Edge Solo products use SSL 3.0 (Secure Socket Layer) and TLS 3.1 (Transport Layer Security) to establish a secure web browser connection.
- ▶ Works within DHCP or Static IP networks for plug and play installation
- ▶ Multi Language Support - Edge Solo supports the following languages: English, French, German, Spanish (International), Russian, Portuguese (Brazilian), Italian, Chinese (Simplified), Japanese, Korean, Hindi, Dutch and Turkish.
- ▶ "Door Dashboard" accesses door commands, status, alarms, and recent events from all screens
- ▶ Back-up and restore of data from user PC
- ▶ Built-in diagnostics
- ▶ Installer "calling card" allows inclusion of contact information for user support
- ▶ User upgradable firmware
- ▶ Built-in help screens
- ▶ Manages 1000 cardholders/credentials
- ▶ Manages 8 schedules and 3 intervals each day
- ▶ Manages Card only, PIN only, Card and PIN
- ▶ View last 5000 events
- ▶ Standardized report generation, including CSV export
- ▶ Manages PIN Suppression Schedules
- ▶ First Person In (Snow day) Schedules
- ▶ Built-in 802.3af Power over Ethernet (PoE), with 600 mA available for external field devices and locking hardware
- ▶ Easily migrates to a host based system - (OEM OR CS)
- ▶ Wet or Dry door relays
- ▶ Permits local laptop computer connections for diagnostics and configuration
- ▶ UL 294 Listed - EdgeReader is listed for use in UL installations where exposure is controlled to only authorized persons.

Features

Mounting

Mount to a single gang style electrical box with two screws. The EdgeReader™ includes tamper protection for this type of installation to secure all wiring within the electrical box. For indoor mounting only.

Easily Interfaced

- RJ-45 connector for Ethernet TCP/IP
- Quick-disconnect screw terminal connectors
- Easily upgrades to a Hosted software solution through the network interface

Inputs for

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

Specifications

Non-latching wet/dry relay outputs for

- 1 door strike
- 1 auxiliary device: door held/forced alarm, alarm shunt, host offline (comms down), or general purpose

Cable Specifications

Ethernet	300 feet (100 m) Category 5 cable	ALPHA 9504C ALPHA 9405F
Input Circuits	500 feet (150 m) 2-conductor, shielded 22 AWG 18 AWG	ALPHA 1292C ALPHA 2421C
Output Circuits	500 feet (150 m) 2-conductor 22 AWG 18 AWG	ALPHA 1172C ALPHA 1897C
RS-232	50 feet (15 m) 9-conductor, stranded 22 AWG	ALPHA 1299C ALPHA 58119

Minimum wire gauge depends on cable length and current requirements.

Mounting	Single-gang style electrical box
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)
Style	Attractive UL94 polycarbonate enclosure protects components from damage and all connections are fully identified by silk-screened nomenclature.
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
Visual Indicators	Two LEDs indicate power/network activity and device I/O activity.
Power Supply Requirements	<p>1 A @ 12-16 VDC maximum</p> <p>Recommended: Power is supplied using the Power over Ethernet technology available with PoE (802.3af) enabled network devices.</p> <p>Alternate: Supervised linear power supply with battery backup, input surge protection, and AC Fail and battery low contact outputs.</p> <p>Relays can be configured to supply power as follows:</p> <p>Available Power: The EdgeReader is capable of supplying a total of 600 mA to field devices. Unpowered, relay contacts are rated for 2 A @ 30 VDC</p> <p>Note: Use of a Listed Access Control / Burglary power-limited power supply is required for all Listed installations.</p> <p>The EdgeReader is intended for use in indoor environments that comply with the following specifications:</p>
Operating Temperature	32° to 122° F (0° to 50° C)
Operating Humidity	5% to 95% relative, non-condensing
Communication Ports	Ethernet – 10 or 100 Mbps
Certifications	UL 294 Listed Component, CSA 205 for Canada, FCC Class A Verification (FCC and Industry Canada Certification for Reader only) ICES-003 Class A Canada, EU (CE Marking), Australia (C-Tick Mark), New Zealand
Warranty	Warrantied against defects in materials and workmanship for 18 months (See complete warranty policy for details).

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ACCESS Intelligence @ the Door

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