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

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.

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

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.
Browser Support	Firefox® versions 2 and 3 Windows® Internet Explorer® versions 6, 7 and 8.
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	1 A @ 12-16 VDC maximum **Recommended**: Power is supplied using the Power over Ethernet technology available with PoE (802.3af) enabled network devices. **Alternate**: Supervised linear power supply with battery backup, input surge protection, and AC Fail and battery low contact outputs. **Relays can be configured to supply power as follows**: **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 **Note:** Use of a Listed Access Control / Burglary power-limited power supply is required for all Listed installations.
	The EdgeReader is intended for use in indoor environments that comply with the following specifications:
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).

ACCESS Intelligence @ the Door

hidglobal.com

HID Global Offices:

Corporate
North America
15370 Barranca Pkwy
Irvine, CA 92618
U.S.A.
Tel: 1 800 237 7769
Tel: +1 949 732-2000
Fax: +1 949 732-2360

Asia Pacific
19/F 625 King's Road
North Point
Island East
Hong Kong
Tel: +852 3160 9800
Fax: +852 3160 4809

Latin America
Circunvalacion Ote. #201 B
Despacho 2
Col. Jardines del Moral
Leon 37160, Gto.
Mexico
Tel: +52 477 779 1492
Fax: +52 477 779 1493

Europe, Middle East & Africa
Haverhill Business Park
Phoenix Road
Haverhill, Suffolk
CB9 7AE
England
Tel: +44 (0) 1440 714 850
Fax: +44 (0) 1440 714 840

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