

Edge™ Solo

Stand-alone, single-door IP-based access control solution



Edge Solo is HID Global's cost-effective, stand-alone, single-door IP-based access control solution. This easy-to-use solution enables remote management and report generation via standard web browser. Bringing "Intelligence to the Door", the flexible design includes an integrated iCLASS® or MultiCLASS™ reader or allows connection to any wiegand or most clock and data readers.

Unlike other stand-alone access control solutions, which are typically disconnected devices with no remote management or reporting capabilities, Edge Solo allows the end-user to have stand-alone access control functionality, in addition to remote management and report capabilities. User information, administration, door configuration and retrieval of events are done through a user-friendly, instructional web environment.

No other stand-alone access control solution can be converted to a host as quickly and easily. Customers will appreciate Edge Solo's high return on investment (ROI) due to its ability to migrate to a host-based access control system (locally or remotely managed). Through the web browser, the Edge Solo can be remotely reconfigured from stand-alone operation to a system reader. There is no need to go to the door.

Simply put, there is no other stand-alone access control solution with the flexibility and long-term return on investment of Edge Solo.

Edge™ Readers

EdgePlus Solo ES400

Single door IP-based Controller

Base Part Number • 83000

- Small footprint single door, IP-based access control solution
- Provides remote management over the network via standard web browser
 - No external software required
- Languages Supported: English, French, German, Spanish, Russian, Portuguese, Italian, Korean, Chinese (Simplified), Japanese, Hindi
- Browser Security SSL 3.0 and TLS 3.1
- Use with any new or existing wiegand output reader
- 1000 users/5000 events/8 schedules
- Standardized reports including CSV export
- TCP/IP and DHCP support
- 12 VDC, 700 mA power available for external field devices and locking hardware
- Power requirements: 12 VDC external power or Built-in 802.3af Power over Ethernet (PoE)
- Dimensions: 3.3" x 4.8" x 1.5" (8.38 cm x 12.19 cm x 3.63 cm)
- Interior use only



 (Black)

EdgeReader Solo ESR40

Single door IP-based controller with integrated R40 reader

Base Part Number • 83120

- Small footprint single door, IP-based access control solution
- Provides remote management over the network via standard web browser
 - No external software required
- Languages Supported: English, French, German, Spanish, Russian, Portuguese, Italian, Korean, Chinese (Simplified), Japanese, Hindi
- Browser Security SSL 3.0 and TLS 3.1
- Single piece design with integrated R40 iCLASS reader
- 1000 users/5000 events/8 schedules
- Standardized reports including CSV export
- TCP/IP and DHCP support
- 12 VDC, 600 mA power available for external field devices and locking hardware
- Power requirements: 12VDC external power or Built-in 802.3af Power over Ethernet (PoE)
- Dimensions: 3.3" x 4.8" x 2.3" (8.38 cm x 12.19 cm x 5.79 cm)
- Interior use only



 (Black)

EdgeReader Solo ESRP40

Single door IP-based controller with integrated RP40 reader

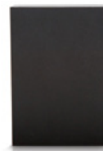
Base Part Number • 83125

- Small footprint single door, IP-based access control solution
- Provides remote management over the network via standard web browser
 - No external software required
- Languages Supported: English, French, German, Spanish, Russian, Portuguese, Italian, Korean, Chinese (Simplified), Japanese, Hindi
- Browser Security SSL 3.0 and TLS 3.1
- Single piece design with integrated RP40 multiCLASS reader
- 1000 users/5000 events/8 schedules
- Standardized reports including CSV export
- TCP/IP and DHCP support
- 12 VDC, 600 mA power available for external field devices and locking hardware
- Power requirements: 12VDC external power or Built-in 802.3af Power over Ethernet (PoE)
- Dimensions: 3.3" x 4.8" x 2.3" (8.38 cm x 12.19 cm x 5.79 cm)
- Interior use only



 (Black)

Edge™ Reader Specifications



ES400



ESR40 and ESRP40

Base Model Number	83000	83120/83125
Dimensions	4.8" x 3.3" x 1.5" (12.19 cm x 8.38 cm x 3.63 cm)	4.8" x 3.3" x 2.3" (12.19 cm x 8.38 cm x 5.79 cm)
Weight	6.8 oz (.195 kg)	14.7 oz (.400 kg)
Mounting	Single-gang style electrical box	
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: Available Power: The ES400 is capable of supplying a total of 700 mA to field devices. This power may be shared between a reader and one or two additional field devices. Unpowered, relay contacts are rated for 2 A @ 30 VDC</p>	<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: 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>
Operating Environment	The E400 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	
Maximum Inputs	(1) Door Monitor, (1) Request to Exit, AC Fail, Battery Fail, Tamper	
Maximum Outputs	(1) Strike, (1) General Purpose	
Communication Ports	<p>Ethernet – 10 or 100 Mbps</p> <p>RS232 – port for Modem or connectivity to other systems.</p> <p>Reader – Wiegand, HID Clock and Data, or iCLASS RS-232</p>	<p>Ethernet – 10 or 100 Mbps</p> <p>RS232 – port for Modem or connectivity to other systems.</p>
Certifications	UL 294 Listed Access Control System Unit, CSA 205 for Canada, FCC Class B Verification, EMC for Canada, EU (CE Mark), Australia (C-Tick Mark), New Zealand, Japan	UL 294 Listed Access Control System Unit, CSA 205 for Canada, FCC Class B Verification (FCC Class A Verification for reader portion only.) EMC for Canada, EU (CE Mark), Australia (C-Tick Mark), New Zealand, Japan
Warranty	18 Months	

*This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)
 This product includes cryptographic software written by Eric Young (ey@cryptsoft.com)*

Cable Specifications ES400

Ethernet	300 feet (100 m) Category 5 cable	ALPHA 9504C ALPHA 9405F
Wiegand	500 feet (150 m) 9-conductor, stranded, overall shield 22 AWG	ALPHA 1299C
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
RS232	50 feet (15 m) 9-conductor, stranded 22 AWG	ALPHA 1299C ALPHA 58119

Cable Specifications ESR40 and ESRP40

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
RS232	50 feet (15 m) 9-conductor, stranded 22 AWG	ALPHA 1299C ALPHA 58119

Minimum wire gauge depends on cable length and current requirements.



The
biggest
thing to
happen to
the door since
the handle.

EDGE™ The future of physical access control is in IP-based systems. And with EDGE™ solutions from HID Global, the future starts now.

HID's EDGE access control solutions are designed to fully leverage your company's IT infrastructure, eliminating controllers and connecting easily with a network cable to each door. Easy to install and manage, and using very little bandwidth, EDGE creates tangible cost savings while delivering HID's world-leading security and reliability. Simple, flexible and secure, EDGE brings intelligence to the door.



ACCESS intelligence.