

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>I 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>I 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.



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.