

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.

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 | |

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.