

# EdgePlus® Solo ES400

IP Intelligence at the Door Incorporating any Reader for Stand-Alone Applications • 83000B

- ▶ **True Flexibility** - Provides network connectivity for any existing or new Card only, PIN only, or Card and PIN Wiegand or compatible Clock and Data readers
- ▶ **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 EdgePlus® IP Access Solution puts control and user interface right at the door. The EdgePlus Solo ES400 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 at the Door”, the flexible EdgePlus Solo ES400 offers a wide choice of card reader compatibility. And the EdgePlus Solo ES400 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.

With a separately connected reader, EdgePlus is a perfect solution for migrating existing reader installations to the “edge” of the network. Whether the enterprise is iCLASS®, Prox, FlexSmart®, FlexPass®, MIFARE®/DESFire®, CRESCENDO™, or Wiegand output reader, EdgePlus delivers Intelligence at 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 Card only, PIN only, Card and PIN
- ▶ Manages 1000 cardholders/credentials
- ▶ Manages 8 schedules and 3 intervals each day
- ▶ 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 700 mA available for external field devices and locking hardware
- ▶ Easily migrates to a host based system - (OEM)
- ▶ Wet or Dry door relays
- ▶ Permits local laptop computer connections for diagnostics and configuration
- ▶ UL 294 Listed - EdgePlus Solo 83000B is UL 294 listed for use with all Listed HID Global models: iCLASS, HID Prox, Indala Prox, bioCLASS, SmartID, SmartTRANS, and Mag Stripe series, up to 128-bit formats. EdgePlus is UL listed for installation with the protected area; attached remote Readers may be located outside the protected area

**Mounting**

Mount to a single gang style electrical box with two screws. The EdgePlus® 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**

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

**Non-latching wet/dry relay outputs for**

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

**Cable Specifications**

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

Minimum wire gauge depends on cable length and current requirements.

<b>Mounting</b>	Single-gang style electrical box
<b>Dimensions</b>	3.3" W x 4.8" H x 1.5" D (83.8 mm x 121.9 mm x 36.3 mm)
<b>Weight</b>	6.8 oz (.195 kg)
<b>Style</b>	Attractive UL94 polycarbonate enclosure protects components from damage and all connections are fully identified by silk-screened nomenclature.
<b>Browser Support</b>	Firefox® versions 2 and 3 Windows® Internet Explorer® versions 6, 7 and 8
<b>Card Data Formats</b>	Supports any card data format up to 128 bits
<b>Hardware</b>	32-bit RISC CPU, 100 MHz processor
<b>Memory</b>	8 MB onboard Flash memory 32 MB SDRAM 256K SRAM
<b>Visual Indicators</b>	Two LEDs indicate power/network activity and device I/O activity.
<b>Power Supply Requirements</b>	I A @ 12-16 VDC maximum <b>Recommended:</b> Power is supplied using the Power over Ethernet technology available with PoE (802.3af) enabled network devices. <b>Alternate:</b> Supervised linear power supply with battery backup, input surge protection, and AC Fail and battery low contact outputs. <b>Relays can be configured to supply power as follows:</b> <b>Available Power:</b> 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 <b>Note:</b> Use of a Listed Access Control / Burglary power-limited power supply is required for all Listed installations. <i>The ES400 is intended for use in indoor environments that comply with the following specifications:</i>
<b>Operating Temperature</b>	32° to 122° F (0° to 50° C)
<b>Operating Humidity</b>	5% to 95% relative, non-condensing
<b>Communication Ports</b>	<b>Ethernet</b> – 10 or 100 Mbps <b>Reader</b> - Wiegand, HID Clock-and-Data
<b>Certifications</b>	UL 294 Listed Component for the US, CSA 205 for Canada, FCC Class A Verification, ICES-003 Class A Canada, EU (CE Marking), Australia (C-Tick Mark), New Zealand
<b>Warranty</b>	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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