HID®

EdgePlus®
Solo ES400

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" enables 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

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.

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.

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.
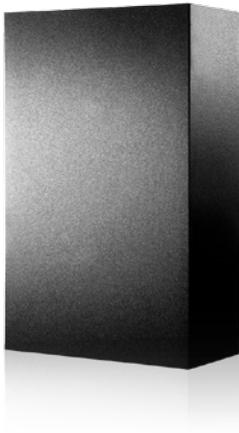
Non-latching wet/dry relay outputs for:

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

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

*Can be configured as a general purpose input

SPECIFICATIONS

Mounting	Single-gang style electrical box
Dimensions	3.3" W x 4.8" H x 1.5" D (83.8 mm x 121.9 mm x 36.3 mm)
Weight	6.8 oz (.195 kg)
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	1A @ 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 E400 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 2A @ 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; **RS-232** — port for modem or connectivity to other systems.
Certifications	UL® 294 Listed Component, CSA 205 for Canada, FCC Class A Verification, ICES-003 Class A Canada, EU (CE Marking), Australia (C-Tick Mark), New Zealand
Warranty	Warranted against defects in materials and workmanship for 18 months (see complete warranty policy for details).

CABLE SPECIFICATIONS

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
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.
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 (eay@cryptsoft.com)

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