

# EdgePlus™ Solo ES400

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

- ▶ **True Flexibility** - Provides network connectivity for any existing or new Wiegand or compatible HID 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
- ▶ Works within DHCP or Static IP networks for plug and play installation
- ▶ “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 1000 cardholders/credentials
- ▶ Manages 8 schedules and 3 intervals each day of the week including holidays
- ▶ View last 5000 events
- ▶ Standardized report generation, including CSV export
- ▶ 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 OR CS)
  - ▶ After upgrade:
    - ▶ 40,000 credentials
    - ▶ 65000 Schedules
    - ▶ Full Edge/VertX® capacities
- ▶ Wet or Dry door relays
- ▶ Permits local laptop computer connections for diagnostics and configuration

### 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

- 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

### 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

### Cable Specifications

|                        |  |                            |
|------------------------|--|----------------------------|
| <b>Ethernet</b>        | 300 feet (100 m)<br>Category 5 cable                                   | ALPHA 9504C<br>ALPHA 9405F |
| <b>Wiegand</b>         | 500 feet (150 m)<br>9-conductor, stranded,<br>overall shield<br>22 AWG | ALPHA 1299C                |
| <b>Input Circuits</b>  | 500 feet (150 m)<br>2-conductor, shielded<br>22 AWG<br>18 AWG          | ALPHA 1292C<br>ALPHA 2421C |
| <b>Output Circuits</b> | 500 feet (150 m)<br>2-conductor<br>22 AWG<br>18 AWG                    | ALPHA 1172C<br>ALPHA 1897C |
| <b>RS-232</b>          | 50 feet (15 m)<br>9-conductor, stranded<br>22 AWG                      | ALPHA 1299C<br>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<br>(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>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<br>32 MB SDRAM<br>256K SRAM  |
| <b>Visual Indicators</b>         | Two LEDs indicate power/network activity and device I/O activity.  |
| <b>Power Supply Requirements</b> | 1 A @ 12-16 VDC maximum<br><b>Recommended:</b> Power is supplied using the Power over Ethernet technology available with PoE (802.3af) enabled network devices.<br><b>Alternate:</b> Supervised linear power supply with battery backup, input surge protection, and AC Fail and battery low contact outputs.<br><b>Relays can be configured to supply power as follows:</b><br><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.<br>Unpowered, relay contacts are rated for 2 A @ 30 VDC |
| <b>Operating Temperature</b>     | The ES400 is intended for use in indoor environments that comply with the following specifications:<br>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<br><b>Reader</b> - Wiegand, HID Clock-and-Data  |
| <b>Certifications</b>            | UL 294 and UL 1076 Listed Component for the US pending, CSA 205 for Canada, FCC Class B Verification, EMC for Canada, EU (CE Mark), Australia (C-Tick Mark), New Zealand, Japan  |
| <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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