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

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
- Ethernet: 300 feet (100 m) Category 5 cable
- Wiegand: 500 feet (150 m)
- Input Circuits: 500 feet (150 m)
- Output Circuits: 500 feet (150 m)
- RS-232: 50 feet (15 m)

Minimum wire gauge depends on cable length and current requirements.

Specifications

<table>
<thead>
<tr>
<th>Mounting</th>
<th>Dimensions</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Single-gang style electrical box</td>
</tr>
<tr>
<td></td>
<td>3.3” W x 4.8” H x 1.5” D</td>
</tr>
<tr>
<td></td>
<td>(83.8 mm x 121.9 mm x 36.3 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>6.8 oz (.195 kg)</td>
</tr>
<tr>
<td>Style</td>
<td>Attractive UL94 polycarbonate enclosure protects components from damage and all connections are fully identified by silk-screened nomenclature.</td>
</tr>
<tr>
<td>Browser Support</td>
<td>Firefox® versions 2 and 3 Windows® Internet Explorer® versions 6, 7 and 8</td>
</tr>
<tr>
<td>Card Data Formats</td>
<td>Supports any card data format up to 128 bits</td>
</tr>
<tr>
<td>Hardware</td>
<td>32-bit RISC CPU, 100 MHz processor</td>
</tr>
<tr>
<td>Memory</td>
<td>8 MB onboard Flash memory</td>
</tr>
<tr>
<td></td>
<td>32 MB SDRAM</td>
</tr>
<tr>
<td></td>
<td>256K SRAM</td>
</tr>
<tr>
<td>Visual Indicators</td>
<td>Two LEDs indicate power/network activity and device I/O activity.</td>
</tr>
<tr>
<td>Power Supply Requirements</td>
<td>1 A @ 12-16 VDC maximum</td>
</tr>
<tr>
<td>Recommended:</td>
<td>Power is supplied using the Power over Ethernet technology available with PoE (802.3af) enabled network devices.</td>
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<tr>
<td>Alternate:</td>
<td>Supervised linear power supply with battery backup, input surge protection, and AC Fail and battery low contact outputs.</td>
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</table>
| 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

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Note: Use of a Listed Access Control / Burglary power-limited power supply is required for all Listed installations.

The ES400 is intended for use in indoor environments that comply with the following specifications:

Operating Temperature: 32°F to 122°F (0°C to 50°C)
Operating Humidity: 5% to 95% relative, non-condensing

Certifications
- 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

Warranty
Warranted against defects in materials and workmanship for 18 months (See complete warranty policy for details).