IP-based Access Control

SDC’s IP Pro Line of IP-based Access Controllers allows expansion from one Standalone door up to a 100-door “Grid.” It’s like having a local area network for your doors without all the headaches of an enterprise system.

FEATURES

- Controls one door directly, with unlimited expansion capabilities
- TCP/IP communications (100/10Mbps)
- DHCP or Static IP addresses
- Password protected built-in web server or FREE downloadable ‘Grid’ software
- Live transaction monitoring
- Entry & exit reader capability
- Supports industry standard proximity, smart card, and multi-technology readers (Wiegand output)
- Reader short circuit protection
- Compliant with PoE+ standard
- 15,000 users (up to 2 credentials per user)
- Batch card enrollment
- 250 User groups/Time Zones/Door Groups
- Holiday support
- Scheduled Events
- Temporary Users
- Audit Trail – Up to 5,000 events from on-board storage, unlimited events via PLUS software (limited only by your allocated server space)
- Status LED’s – Power, Communications, & Fault on-board diagnostic indicators
- Anti-tailgating
- Anti-passback (global or localized)
- Supported browsers: Microsoft Internet Explorer, Firefox, Google Chrome
- Multiple credential modes: Card only, PIN only, Pin or Card, Pin & Card
- Door Status Monitoring Input
- Request-to-Exit (REX) Input
- Programmable Auxiliary Input
- Lock Relay Output
- Auxiliary Relay Output
- (2) Programmable Solid-state Outputs
- Tamper Input
- Database backup support

MODELS

- **IPDC**  
  IP Pro Controller board only
- **IPDCE**  
  IP Pro Controller board plus enclosure
- **IPDSE**  
  IP Pro Door Station Expansion board plus enclosure
- **IPDS**  
  IP Pro Door Station Expansion board only
- **IPPRO-SKE**  
  IP Pro Starter Kit, including Controller board, Splitter and Injector components plus Controller enclosure
- **IPPRO-SK**  
  IP Pro Starter Kit, including Controller board, Splitter, Injector
- **IPI-30**  
  IP Pro Injector 30W PoE+
- **IPS-12**  
  IP Pro Splitter 12VDC PoE+
- **IPRW**  
  IP Pro Wiegand Reader - PROX, HID compatible (125 kHz)
- **IPRW300**  
  IP Pro Wiegand Reader, Mullion Mount, includes black and white snap-on cover - PROX, HID compatible
### SPECIFICATIONS

**IP Pro Controller**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
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<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>12 VDC Input</td>
</tr>
<tr>
<td><strong>Current Consumption (max)</strong></td>
<td>250mA - Controller</td>
</tr>
<tr>
<td></td>
<td>120mA - Door Station Expansion</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>14°F – 122°F (indoor use only)</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>5.375&quot; x 3.5&quot; x 0.875&quot; board only</td>
</tr>
<tr>
<td></td>
<td>9.25&quot; x 6.5&quot; x 2.1875&quot; w/ ABS plastic enclosure</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>1lb</td>
</tr>
<tr>
<td><strong>Relay Output Type</strong></td>
<td>Form C (SPDT) x 2</td>
</tr>
<tr>
<td><strong>Relay Contact Rating</strong></td>
<td>Main (Lock) – 5A @ 30VDC</td>
</tr>
<tr>
<td></td>
<td>Auxiliary – 1A @ 30VDC</td>
</tr>
<tr>
<td><strong>Connections</strong></td>
<td>Digital Inputs: 4 dry contact inputs</td>
</tr>
<tr>
<td></td>
<td>Ethernet: RJ45 (Controller only)</td>
</tr>
<tr>
<td></td>
<td>RS-485 Terminal Bus</td>
</tr>
<tr>
<td></td>
<td>Reader Power – 12VDC</td>
</tr>
<tr>
<td></td>
<td>Reader Data – Wiegand (26bit to 37bit)</td>
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<tr>
<td></td>
<td>Reader LED Control – Red &amp; Green</td>
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<tr>
<td></td>
<td>Two Solid State outputs (100mA max)</td>
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**IP Pro Splitter**

<table>
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<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td><strong>Input voltage</strong></td>
<td>44 - 57 VDC</td>
</tr>
<tr>
<td><strong>Input power</strong></td>
<td>30W max</td>
</tr>
<tr>
<td><strong>Output power</strong></td>
<td>24W max</td>
</tr>
<tr>
<td><strong>Output Current</strong></td>
<td>2A @ 12V</td>
</tr>
</tbody>
</table>

**IP Pro Injector**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PoE+ Output Pin</strong></td>
<td>4/5 (+), 7/8 (-)</td>
</tr>
<tr>
<td><strong>Assignment and Polarity</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Output Power Voltage</strong></td>
<td>55Vdc</td>
</tr>
<tr>
<td><strong>User Port Power</strong></td>
<td>30Watts (Guaranteed)</td>
</tr>
</tbody>
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**The IP Pro Line of IP-based Access Controllers allows expansion from one Standalone door up to a 100-door “Grid.” The Choice is yours! It’s like having a local area network for your doors without all the headaches of an enterprise system.**
Our new PLUS PC-Client software is available as a free download to provide door access control for up to 100 doors from a single PC. PLUS is a role-based access control software suite with different interface modules, depending on user type.

**PLUS Hardware** is used by the installer to set up controllers, doors and user profiles:

- Enable & edit IPPro controllers
- Enable & edit door settings
- Create event filters
- Enable e-mail notifications

**PLUS Manage** is used by system administrators to facilitate database changes required on a day-to-day basis, and offers various reporting tools:

- Create, view, & edit users
- Add access & holiday schedules
- Generate user & event reports

**PLUS Server** is used by system administrators to perform specialized tasks, such as database backups, firmware updates, importing/exporting users:

- Perform manual or schedule automatic backups
- Import/Export Users
- Perform IPPro firmware updates

Live System events can be monitored from either module!
Visit http://sdcsecurity.com/ippro.htm to download Systems Operation and Point-to-Point Wire Diagram for common single door low energy applications.