

SP-1001BIE-01-SP1 SynLink Smart PDU

1U Single Phase Switched

Remotely switch 8x individual outlets for complete control of your equipment. Each unit comes with a SynLink Smart Control Module that allows you to remotely manage your Power Distribution using industry-standard Network Protocols such as SNMP, Web, HTTP(s), SSH, Telnet, Serial, and more. See the Datasheet for all features supported and make sure to test our live web demo today!

Smart PDU Features

- Network Protocols: SSH, Telnet, HTTP(S), SNMP, SMTP, and more...
- Inlet Power Monitoring: Current RMS (A)
- Programmable: Custom event triggers and actions, task scheduling, custom alerts, custom event logging.
- Out-of-Band: USB-Serial Port (FTDI chip set), RS232 Serial Port, SynLink Expansion Port.
- Easy Setup: Front Panel LCD interface for rapid deployment.
- Sensors Supported: Temperature & humidity.

Additional Features

- Inlet Current RMS Measurements
- Individual Outlet Switching
- UL/CSA 62368-1 : 2019 Third Edition Compliant

What's Included

- Detachable NEMA 5-15P to C19 Cord (6ft)
- 1U Mounting Brackets with M4 Screws
- Quick Start Guide Reference Pamphlet

Key Stats

Form Factor: 1U
 Max Input Current: 20A (16A)
 Power Capacity: 1.9kVA
 Inlet Voltage(s): 120V
 # Outlets: 8

Applications

- Mission critical remote installations.
- IT server racks.
- Datacenters
- Production automation.
- Test automation.
- Engineering labs.
- R&D facilities.



Features



Input Power Measurements
Current Measurements at Input



Outlet Switching
Each outlet is equipped with a relay to allow for manual or automatic switching. Sequential outlet sequencing built-in to minimize inrush current.



Relay Health Monitor
Proprietary firmware keeps track of key relay health indicators to alert the user of potential failures. Additional relay failure detection circuit allows for alerts when a failure occurs.



Surge Protection
Protect devices, prevent downtime, and improve system reliability due to transients and surges.



Ethernet Port 10/100Mbps
10/100 Base-T Ethernet port. Supports: SSH, Web Server, SNMP, SMTP, NTP, Syslog, HTTP/HTTPS, Telnet, IP4



Hot-Swappable Control Module
PDUs with this feature can hot swap control modules for upgrade or service while maintaining power to the outlets.



Local LCD Display
Color 1.8" TFTLCD or 2x8 Character LCD display Displays PDU metrics, Control and configure settings, Alert notifications



Serial Port
Serial port for access to PDU configuration and data



Environment Sensor Port
Sensors supported: Temp/Humidity



SynLink Ports
Daisy chain multiple PDUs to reduce network port footprint in the datacenter.

Specifications

| Input | |
|---------------------------------|-----------------|
| Plug Type | IEC-320 C20 |
| Input Voltage | 120V |
| Max Input Current (Derated) | 20A (16A) |
| Phase | 1 |
| Input Energy/Power Measurements | Current RMS (A) |
| Surge Protection | 630 Joules |

| Physical | |
|-----------------------------|---------------------------|
| Form Factor | 1U |
| Dimensions | 17.00" x 1.75" x ? |
| Maximum Operating Elevation | 0-10,000 ft / 0 - 3,000 m |
| Operating Temperature Range | 0C to +65C |
| Relative Humidity | 5-95% (non-condensing) |

| Output | |
|----------------------------|---------------|
| Outlet Receptacles | NEMA 5-20R(8) |
| Total Number of Outlets | 8 |
| Power Capacity | 1.9kVA |
| Overload Protection | None |
| Outlet Switching | Included |
| Outlet Current Measurement | None |

| Access & Communications | |
|----------------------------|--|
| Networking Protocols | SNMP V1,2,3, HTTP(S) API, Web Interface, SMTP, Syslog, Telnet, SSH, Ping, DHCP, NTP |
| Serial Communication (OOB) | RJ45 RS232 Serial and USB-Serial (FTDI) |
| Ports | 1 x USB 2.0 1 x USB-Serial (FTDI) 2 x Sensor Ports 1 x 10/100 BaseT Ethernet 1 x RJ45 RS232 Serial |
| Front Panel LCD | Allow/Restrict users to manage networking & outlet configuration. |
| Firmware Upgrade | Updates with an active internet connection, remotely with web GUI, locally with USB Flash Drive |