SP-1001CIE-01-SP1 SynLink Smart PDU

Compact Remote Switched

Securely and remotely manage 4 individual outlets. Collect energy measurements include kWh along with current RMS measurements on the outlet level. Switch outlets with confidence with SynLink Relay Health Monitoring. With an enterprise suite of networking protocols, integrate this compact PDU with ease.

Smart PDU Features

- Network Protocols: SSH, Telnet, HTTP(S), SNMP, SMTP, and more...
- Inlet Energy Monitoring: current (A), voltage (V), line frequency (Hz), active power (W), apparent power (VA), power factor, energy accumulation (kWh).
- 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 Energy Measurements with kWH, amperage, voltage measurements, etc..
- Individual Outlet Switching
- Individual Outlet Current Measurements
- Relay Health Monitoring
- UL/CSA 62368-1 : 2019 Third Edition Compliant

What's Included

- Detachable NEMA 5-15P to C19 Cord (6ft)
- Quick Start Guide Reference Pamphlet

Key Stats

Form Factor: Compact

Max Input Current: 20A (16A)

Power Capacity: 1.9kVA

Inlet Voltage(s): 120V

Outlets: 4

Applications

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

Features

Inlet Energy Monitor
Energy Metrics: Voltage (V), Current (A), Active Power (W), Line Frequency, Active Power, Active Energy, Reactive Energy, Power Factor

Outlet Current Meter
Current (A) is measured at each outlet

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.

Relay Output
Relay outputs with NC-NO and Common connections.

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	Kilowatt hours (kWh), Current RMS (A), Line Frequency (Hz), Voltage RMS (V), Active Power (W), Apparent Power (VA), Power Factor
Surge Protection	630 Joules

Output

Outlet Receptacles	NEMA 5-20(4)
Total Number of Outlets	4
Power Capacity	1.9kVA
Overload Protection	None
Outlet Switching	Included
Outlet Current Measurement	Included

Physical

Form Factor	Compact
Dimensions	9" x 1.75" x 5.8"
Maximum Operating Elevation	0-10,000 ft / 0 - 3,000 m
Operating Temperature Range	0C to +65C
Relative Humidity	5-95% (non-condensing)

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