

# UPS SWITCHPAK

## UNINTERRUPTIBLE POWER (OVER ETHERNET) SUPPLY™



60W  
HI-POE

4ea  
802.3af/at  
at ports

Internal Battery  
Pack

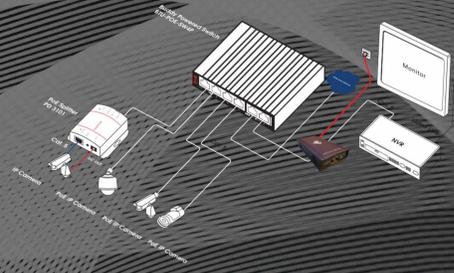
When the UPS-POE Brownout Buddy Injector recognizes AC power disruptions, its glitch free switching mechanism transfers the power source to an internal battery pack in picoseconds to provide undetectable and uninterrupted service of Ethernet powered devices. When combined with the Buddy Powered Switch, this compact pairing provides the same efficient, undetectable and uninterrupted service to multiple devices. A compact, plug and play package that takes UPS Anywhere, Everywhere.



BTU RESEARCH™

### PRODUCT ADVANTAGES

- Compact
- Plug and Play
- Power and UPS to multiple devices
- Highly Cost Effective
- Din Rail Mountable
- UPS Anywhere, Everywhere
- Recharges when AC power is restored
- Internal Surge Protection



### THE BUDDY POWERED SWITCH

|                                       |   |   |
|---------------------------------------|---|---|
| Product Name                          | Buddy Powered Switch  |   |
| Product Model                         | BTU-POE-SW4P  |   |
| Interface                             | 4 output ports providing 55W total power, 1 HIPOE input port, 1 adaptive port |   |
| LED Indicators                        | POE Port: Link/Act, POE   | RJ45 Port: Link/Act, SPD                    |
| <b>POE SPECIFICATION</b>              |   |   |
| PoE Standard                          | Supports both IEEE802.3af and IEEE802.3at                                     |   |
| Single PoE Port Power Output          | Max. 15.4 watts (IEEE 802.3af)  | Max. 30 watts (IEEE 802.3at)                |
| Auto Detect                           | 4 PoE port auto detect at/all devices   |   |
| Power Pin Assignment                  | 1/2+/3/6-   |   |
| Forwarding Mode                       | Store-and-forward   |   |
| <b>PERFORMANCE SPECIFICATION</b>      |   |   |
| Bandwidth                             | 1.8Gbps   |   |
| SRAM Buffer                           | 448Kbits  |   |
| Forwarding Rate                       | 1.19Mbps@64bytes  |   |
| Mac Address Table                     | 1K  |   |
| MTBF                                  | 539608 hours  |   |
| <b>PHYSICAL SPECIFICATIONS</b>        |   |   |
| Product Size (W X D X H)              | 119x100x30mm  |   |
| Weight                                | 0.4kg   |   |
| <b>ENVIRONMENTAL</b>                  |   |   |
| Power                                 | POE input power of 48V to 57V provided by BTU-UPS-HIPOE-60W-G Buddy           |   |
| Working Environment                   | Working Temperature: -40 ~ 80°C   | Storage Temperature: -40 ~ 85°C             |
|                                       | Working Humidity: 5% ~ 95% (non-condensing)                                   | Storage Humidity: 5% ~ 95% (non-condensing) |
|                                       | Working High: Altitude of 3000 m (10,000ft)                                   | Storage High: Altitude of 3000 m (10,000ft) |
| Radiation                             | CE mark, commercial   | FCC Part 15 Class B                         |
|                                       | VCCI Class B  | EN 55022 (CISPR 22), Class B                |
| Standards Compliance                  | IEEE802.1P, IEEE802.1q, IEEE802.3az, IEEE802.3af, IEEE802.3at                 |   |
| Safety                                | CE Mark, commercial, CE/LVD EN60950   |   |
| <b>PACKAGE CONTENTS</b>               |   |   |
| BTU-POE-SW4P with din-rail attachment |   |   |

### BROWNOUT BUDDY™

|   |   |                           |
|---|---|---------------------------|
| Main Ports  | Two Shielded RJ45 ports: Power+Data - LAN-(in) POE-(out)  |                           |
| Auxiliary Ports   | One AUX port with AMP connector for additional back up with the BTU Auxiliary Power Capsule or for use with a 24V solar converter. One RLY port with a Molex connector to dry contacts for notification of AC power status. |                           |
| LEDs (4 each)   | AC Power, DC Power, Battery Charged, Battery Charging   |                           |
| <b>UPS-POE-INJECTOR SUMMARY SPECIFICATIONS</b>  |   |                           |
| AC Input Power  | AC Input Voltage: 100VAC-264VAC   | AC Frequency: 50-60Hz     |
| Output Power/Data Throughput  | BTU MODEL NUMBER  | OUTPUT DCV                |
|   | BTU-UPS-POE 60W-G   | IEEE 802.3af/at compliant |
| Included Internal Battery Pack  | BTU MODEL NUMBER  | DATA THROUGHPUT           |
|   | BTU-UPS-HIPOE 60W-G   | IEEE 802.3af/at compliant |
| 24V - 2200mAh rechargeable Li-Ion   |   |                           |
| <b>PHYSICAL SPECIFICATIONS</b>  |   |                           |
| Dimensions (L X W X H)  | 235 x 110 x 42 mm   |                           |
| Weight  | 850G  |                           |
| <b>ENVIRONMENTAL</b>  |   |                           |
| Power   | AC input voltage: 100-264 VAC   | AC frequency: 50-60Hz     |
| Safety/Certifications   | IEC-61000-4-2, 4-4, 4-5 ESD/EMV/EMC FCC Class B, CE, CB, UL, cUL-60950-1, EN60950-1, EMI/EMC:5502:2010 Class B  |                           |
| Directive Compliance  | ROHS, WEEE, REACH   |                           |
| Operating   | Temperature: -35° to 80° C  | Humidity: 20% - 90%       |
| Storage   | Temperature: -40° to 85° C  | Humidity: 20% - 90%       |
| Vibration & Shock   | 10-3000Hz, 10 min/cycle, for 1 hr along each of the X,Y & Z axis, 2g-rms  |                           |
| <b>PACKAGE CONTENTS</b>   |   |                           |
| BTU-UPS-POE-Injector, AC Power Cord, Din Rail Mount Kit, Installation Guide   |   |                           |
| <b>MINIMUM REQUIREMENTS</b>   |   |                           |
| POE midpoint or endpoint device, Ethernet Switch for uplink connectivity, 2 ea. Cat5e or better patch cables, Wiring Standards: EIA 568A and 568B |   |                           |

### BATTERY LIFE EXPECTANCY

