



# LinkPower™ LPS1000 Adjustable Voltage PoE Switch

Inscape Data's LinkPower™ LPS1000 Adjustable Voltage PoE Switch is a unique and powerful outdoor five-port Ethernet Switch with an adjustable voltage feature. Based on our patent-pending technology, the LPS1000 Adjustable Voltage PoE Switch offers four voltage levels, which enables a wide range of outdoor network and security applications, thus significantly reducing the complexity of outdoor network installation, integration and ongoing network maintenance. The LPS1000 PoE Switch offers local and remote power level configurations. Locally, each LPS1000 port is designed with a simple, easy-to-use push button for power level configuration. Remote configuration over the internet can be achieved using a common internet web browser. The adjustable voltage and other dynamic features, including remote reset and individual port troubleshooting capabilities, make the LinkPower LPS1000 the industry's most powerful outdoor PoE Switch.

The LPS1000 Outdoor Adjustable Voltage PoE Switch is based on Inscape's patent-pending proprietary technologies. Inscape solely reserves its intellectual property rights to enforce protection of its intellectual property worldwide.

## KEY FEATURES & BENEFITS



**Remote Status**  
Remotely Monitor Port Voltage Status Via Web Browser



**All Weather Enclosure**  
IP66 Enclosure Rating And Water Tight Connectors Based On Patent Pending Technology



**Independent Port Voltage Adjustment**  
Adjustable DC Voltage With Poe Voltage Of 12VDC, 24VDC, 48VDC, And IEEE 802.3af Compatible

**Voltage and Power LED Display**  
Bright Led Indicators Show Operation Power Levels At Each Network Port

**Flexible Mounting Options**  
Easy To Install Brackets Offer Wall Or Mast Mount Flexibility

**Power Device Protection**  
Port Voltage Change Allowed Only When No Ethernet Device Connected to Port

**Integrated Industrial Ethernet Surge Protection**  
132A Peak Pulse Current Protection On Every Ethernet Port

**5-Port PoE Switch**  
Connect Up To 5 PoE Devices Or Uplink Switch At 10/100 Mbps Speeds With Auto-MDX Cross Over Feature

## APPLICATIONS

- Parking Lot Surveillances
- Campus Networks
- Fixed Wireless Networks
- Border Security Surveillance
- Municipal Networks
- Hospitality Networks
- Hotel Resort Networks
- Hotspot Integrations
- VOIP Services
- Traffic Monitoring

## SYSTEM CONFIGURATION



## TECHNICAL SPECIFICATIONS

### LPS1000

#### Power over Ethernet

<b>Port Voltage</b>	Configurable to 0VDC, 12VDC, 24VDC, 48VDC and 802.3af
<b>Protection</b>	Over Current and Circuit Sorting
<b>Power Delivery</b>	100Watts Across 5 Ports with 20 Watts Average per Port

#### Network

<b>Protocols</b>	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3af, IEEE802.1Q VLAN encapsulation, IEEE802.1p QOS
<b>Data Rate</b>	Ethernet: 10/20Mbps (half/full duplex), Fast Ethernet: 100/200Mbps (half/full duplex)
<b>Security</b>	Software User Authentication

#### Interface

<b>Network</b>	5 x 10/100Mbps Auto-MDIX POE Ports
<b>Serial</b>	1 x Proprietary USB Port
<b>Power Connector Type</b>	Terminal Block for AC Power
<b>Hardware Reset</b>	Reset and Factory Default Button

#### Management

<b>Configuration</b>	Push Button Switch and RS232
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#### Environmental

<b>Construction</b>	Die Cast Aluminum and Poly Carbonate Casing
<b>Dimension (WxHxD)</b>	271.76mm x 315.17mm x 82.07mm
<b>Weight</b>	3.8kg
<b>Storage Temperature</b>	-10°C ~ +70°C (14°F ~ 158°F)
<b>Operating Temperature</b>	-40°C ~ +75°C (32°F ~ 167°F)
<b>Operating Humidity</b>	10% ~ 90% (non-condensing)
<b>Outdoor Usage</b>	Weatherproof to IP66

#### Ethernet Surge Protection

<b>Ports Protected</b>	All 5 Ports Protected
<b>Data Clamp Voltage</b>	7.5VDC
<b>Power Clamp Voltage</b>	60VDC
<b>Protection Mode</b>	Line-Line and Line-GND
<b>Response Time</b>	< 5ns
<b>Max Shunt Capacitance</b>	< 25pF
<b>Peak Pulse Current</b>	132A

#### Power

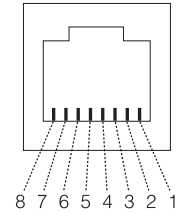
<b>Power Input</b>	100~240VAC 50/60Hz, Internal Universal Switching Power Supply
<b>Power Consumption</b>	100W Maximum
<b>Power Output</b>	100W Maximum Across 5 Ports

#### Compliance

FCC, CE, ROHS

## ELECTRICAL PIN OUT DIAGRAM

1. TX+
2. TX-
3. RX+
4. + POWER
5. + POWER
6. RX-
7. -POWER
8. -POWER



## PACKAGE CONTENTS

- LPS1000 Unit
- Mast and Wall Mount Bracket System
- Weatherproof Connector Sets
- Ground Cable
- User Manual CDROM
- Installation Guide and Warranty

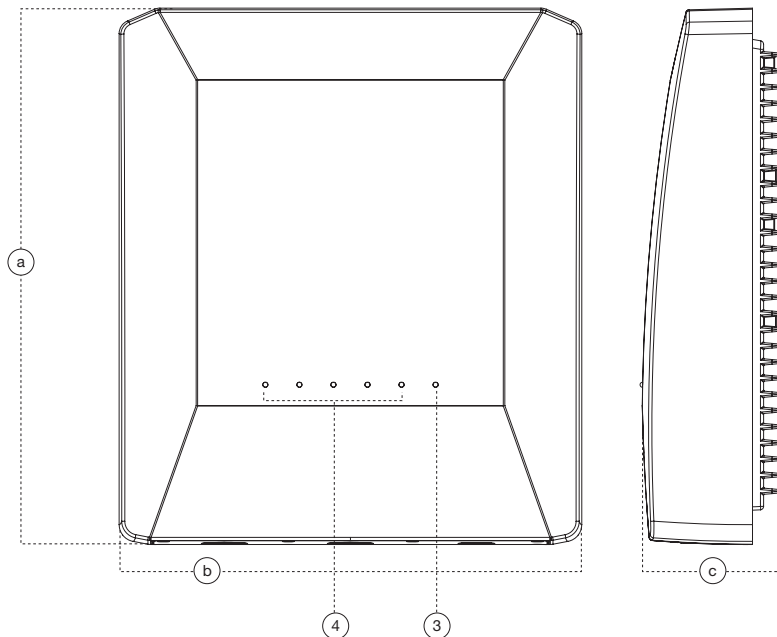
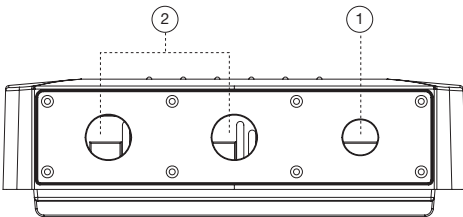
## DIMENSIONS & INTERFACE

#### Dimensions

- 315.17mm
- 271.76mm
- 82.07mm

#### Interfaces

1. Weatherproof Power Connector
2. Weatherproof PoE Connector
3. Power LED
4. Network Link and Activity LED



**Inscape Data**  
The Leader in Wireless and IP Video Systems

To get information on this product please visit [www.inscapedata.com/LPS.htm](http://www.inscapedata.com/LPS.htm)

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