

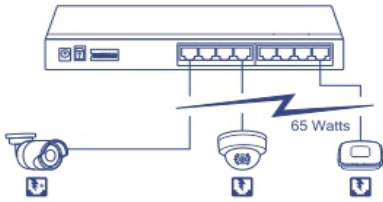


## 8-Port Gigabit Long Range PoE+ Switch

TPE-LG80 (v1.0R)

- Easy installation
- 8 x Gigabit PoE+ ports
- Enable the DIP switch to extend PoE+ signal up to 200m (656 ft.) at 10Mbps
- DIP switch supports VLAN port isolation and QoS
- 16Gbps switching capacity
- 65W PoE budget
- Wall mountable design
- Sturdy metal switch
- Use with TRENDnet's PoE splitter to network and power non-PoE devices

The 8-Port Gigabit Long Range PoE+ Switch, model TPE-LG80, delivers data and power over Ethernet cables to PoE devices such as access points, VoIP phones, and IP cameras. It supports both PoE and PoE+ devices with a 65W PoE power budget. Enable the DIP switch to extend the PoE+ signal up to 200m (656 ft.) at 10Mbps for long distance PoE installations. Plug and play this sturdy metal switch for reliable high-speed PoE networking. Its fanless design is perfect for quiet environments that require silent operation.



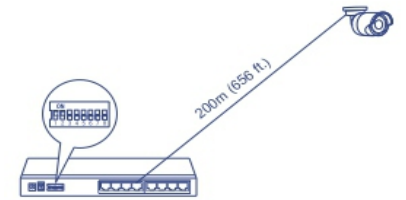
### PoE+ Power

A 65W PoE power budget supports up to eight Power over Ethernet devices.



### Gigabit

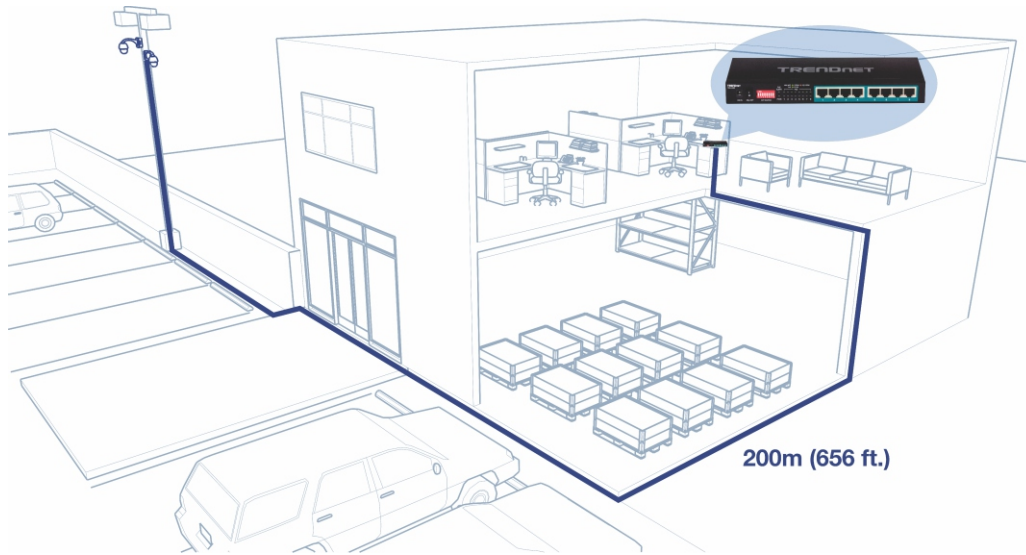
Eight gigabit ports provide a 16Gbps switching capacity to support edge network installations.



### Long Range PoE+ Switch

Enable the DIP switch to extend the PoE+ signal up to 200m (656 ft.) at 10Mbps.

## Networking Solution



### PoE+

Supplies up to 30W of PoE+ power per PoE port with a 65W total power budget



### Switching Capacity

16Gbps switching capacity



### LED Indicators

LED indicators convey PoE and port status



### Ports

Eight gigabit PoE+ ports



### Housing

Wall mountable metal housing



### Long Range PoE+ Switch

Enable the DIP switch to extend the PoE+ signal up to 200m (656 ft.) for long distance PoE installations



### Port Isolation

Ideal for surveillance networking applications, the DIP switch also enables port isolation

## Specifications

| <b>Standards</b>          | <ul style="list-style-type: none"> <li>• IEEE 802.3</li> <li>• IEEE 802.3u</li> <li>• IEEE 802.3ab</li> <li>• IEEE 802.3x</li> <li>• IEEE 802.3p</li> <li>• IEEE 802.3af</li> <li>• IEEE 802.3at</li> <li>• IEEE 802.3az</li> </ul>   |   |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
|---------------------------|---|---|--------|----------|---|-----|-----------------------------------|----|---|---|-----|-----------------------------------|----|---|---|-----|------------------------------|----|----------------------------------|---|-----|--------------|----|--|---|-----|--|----|------------------------------|---|-----|------------------------------|----|--|---|-----|-----------------------------|----|--|---|-----|------------------------------|----|----------------------------------|
| <b>Device Interface</b>   | <ul style="list-style-type: none"> <li>• 8 x Gigabit PoE+ ports</li> <li>• LED indicators</li> <li>• DIP switch</li> </ul>  |   |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| <b>Data Transfer Rate</b> | <ul style="list-style-type: none"> <li>• Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)</li> <li>• Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)</li> <li>• Gigabit Ethernet: 2000Mbps (full duplex)</li> </ul>   |   |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| <b>Performance</b>        | <ul style="list-style-type: none"> <li>• Switch Fabric: 16Gbps</li> <li>• RAM Buffer: 192KB</li> <li>• MAC Address Table: 4K entries</li> <li>• Jumbo Frames: 9KB</li> <li>• Forwarding rate: 11.9Mpps (64-byte packet size)</li> </ul>   |   |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| <b>DIP Switch</b>         | <table border="1"> <thead> <tr> <th>Switch</th> <th>Status</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td>OFF</td> <td>Ports 1 &amp; 2: Default gigabit PoE+</td> </tr> <tr> <td>ON</td> <td>Ports 1 &amp; 2: Long range PoE+ up to 200m at 10Mbps</td> </tr> <tr> <td rowspan="2">2</td> <td>OFF</td> <td>Ports 3 &amp; 4: Default gigabit PoE+</td> </tr> <tr> <td>ON</td> <td>Ports 3 &amp; 4: Long range PoE+ up to 200m at 10Mbps</td> </tr> <tr> <td rowspan="2">3</td> <td>OFF</td> <td>VLAN port isolation disabled</td> </tr> <tr> <td>ON</td> <td>VLAN port isolation on ports 1-4</td> </tr> <tr> <td rowspan="2">4</td> <td>OFF</td> <td>QoS disabled</td> </tr> <tr> <td>ON</td> <td>QoS Enabled: Video &amp; Voice – High Priority</td> </tr> <tr> <td rowspan="2">5</td> <td>OFF</td> <td>Port 5: Long range PoE+ up to 200m at 10Mbps</td> </tr> <tr> <td>ON</td> <td>Port 5: Default gigabit PoE+</td> </tr> <tr> <td rowspan="2">6</td> <td>OFF</td> <td>Port 6: Default gigabit PoE+</td> </tr> <tr> <td>ON</td> <td>Port 6: Long range PoE+ up to 200m at 10Mbps</td> </tr> <tr> <td rowspan="2">7</td> <td>OFF</td> <td>Port 7: Default gigabit PoE</td> </tr> <tr> <td>ON</td> <td>Port 7: Long range PoE+ up to 200m at 10Mbps</td> </tr> <tr> <td rowspan="2">8</td> <td>OFF</td> <td>VLAN port isolation disabled</td> </tr> <tr> <td>ON</td> <td>VLAN port isolation on ports 5-7</td> </tr> </tbody> </table> <p>*DIP Switch 3 &amp; 8 cannot be enabled at the same time</p> | Switch  | Status | Function | 1 | OFF | Ports 1 & 2: Default gigabit PoE+ | ON | Ports 1 & 2: Long range PoE+ up to 200m at 10Mbps | 2 | OFF | Ports 3 & 4: Default gigabit PoE+ | ON | Ports 3 & 4: Long range PoE+ up to 200m at 10Mbps | 3 | OFF | VLAN port isolation disabled | ON | VLAN port isolation on ports 1-4 | 4 | OFF | QoS disabled | ON | QoS Enabled: Video & Voice – High Priority | 5 | OFF | Port 5: Long range PoE+ up to 200m at 10Mbps | ON | Port 5: Default gigabit PoE+ | 6 | OFF | Port 6: Default gigabit PoE+ | ON | Port 6: Long range PoE+ up to 200m at 10Mbps | 7 | OFF | Port 7: Default gigabit PoE | ON | Port 7: Long range PoE+ up to 200m at 10Mbps | 8 | OFF | VLAN port isolation disabled | ON | VLAN port isolation on ports 5-7 |
| Switch                    | Status  | Function  |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| 1                         | OFF   | Ports 1 & 2: Default gigabit PoE+                 |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
|                           | ON  | Ports 1 & 2: Long range PoE+ up to 200m at 10Mbps |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| 2                         | OFF   | Ports 3 & 4: Default gigabit PoE+                 |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
|                           | ON  | Ports 3 & 4: Long range PoE+ up to 200m at 10Mbps |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| 3                         | OFF   | VLAN port isolation disabled                      |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
|                           | ON  | VLAN port isolation on ports 1-4                  |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| 4                         | OFF   | QoS disabled                                      |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
|                           | ON  | QoS Enabled: Video & Voice – High Priority        |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| 5                         | OFF   | Port 5: Long range PoE+ up to 200m at 10Mbps      |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
|                           | ON  | Port 5: Default gigabit PoE+                      |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| 6                         | OFF   | Port 6: Default gigabit PoE+                      |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
|                           | ON  | Port 6: Long range PoE+ up to 200m at 10Mbps      |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| 7                         | OFF   | Port 7: Default gigabit PoE                       |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
|                           | ON  | Port 7: Long range PoE+ up to 200m at 10Mbps      |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
| 8                         | OFF   | VLAN port isolation disabled                      |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |
|                           | ON  | VLAN port isolation on ports 5-7                  |        |          |   |     |                                   |    |   |   |     |                                   |    |   |   |     |                              |    |                                  |   |     |              |    |  |   |     |  |    |                              |   |     |                              |    |  |   |     |                             |    |  |   |     |                              |    |                                  |

|                              |  |
|------------------------------|--|
| <b>Special Features</b>      | <ul style="list-style-type: none"> <li>• Long range PoE+ up to 200m at 10Mbps</li> <li>• VLAN port isolation</li> <li>• 802.1p Class of Service (CoS)</li> <li>• Wall mountable</li> </ul> |
| <b>Power</b>                 | <ul style="list-style-type: none"> <li>• Input: 100 – 240 V AC, 50/60Hz, 2.5A</li> <li>• Output: 55V DC, 1.3A external power adapter</li> <li>• Max. consumption: 70.6W</li> </ul>         |
| <b>PoE</b>                   | <ul style="list-style-type: none"> <li>• PoE budget: 65 Watts</li> <li>• PoE Mode A: Pins 1,2 for power and pins 3,6 for power</li> </ul>  |
| <b>Operating Temperature</b> | <ul style="list-style-type: none"> <li>• 0° – 40 °C (32° – 104 °F)</li> </ul>  |
| <b>Operating Humidity</b>    | <ul style="list-style-type: none"> <li>• Max. 90% non-condensing</li> </ul>  |
| <b>Dimensions</b>            | <ul style="list-style-type: none"> <li>• 240 x 105 x 27mm (9.45 x 4.13 x 1.1 in.)</li> </ul>   |
| <b>Weight</b>                | <ul style="list-style-type: none"> <li>• 592g (20.9 oz.)</li> </ul>  |
| <b>Certifications</b>        | <ul style="list-style-type: none"> <li>• CE</li> <li>• FCC</li> </ul>  |
| <b>Warranty</b>              | <ul style="list-style-type: none"> <li>• Lifetime Warranty*</li> </ul>   |

### PACKAGE CONTENTS

- TPE-LG80
- Quick Installation Guide
- Power brick (55V DC, 1.3A)
- Power cord (1.8m/6 ft.)

TRENDnet offers a lifetime warranty for all of its metal-enclosed network switches that have been purchased in the United States/Canada on or after 1/1/2015. Cooling fan and internal power supply carry a one-year warranty.

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

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