



## Home/Office Ethernet Switches

Datasheet

LiteWave Series

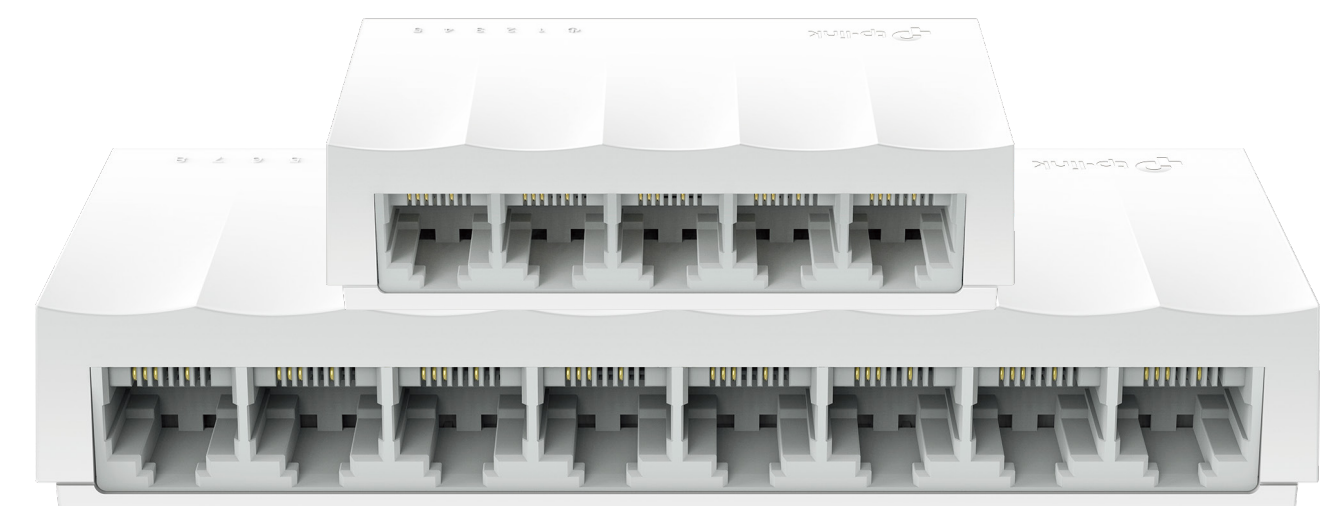
Ideal for  
**Basic**  
Networks



LS105G/LS108G



LS1005G/LS1008G



LS1005/LS1008

## Overview

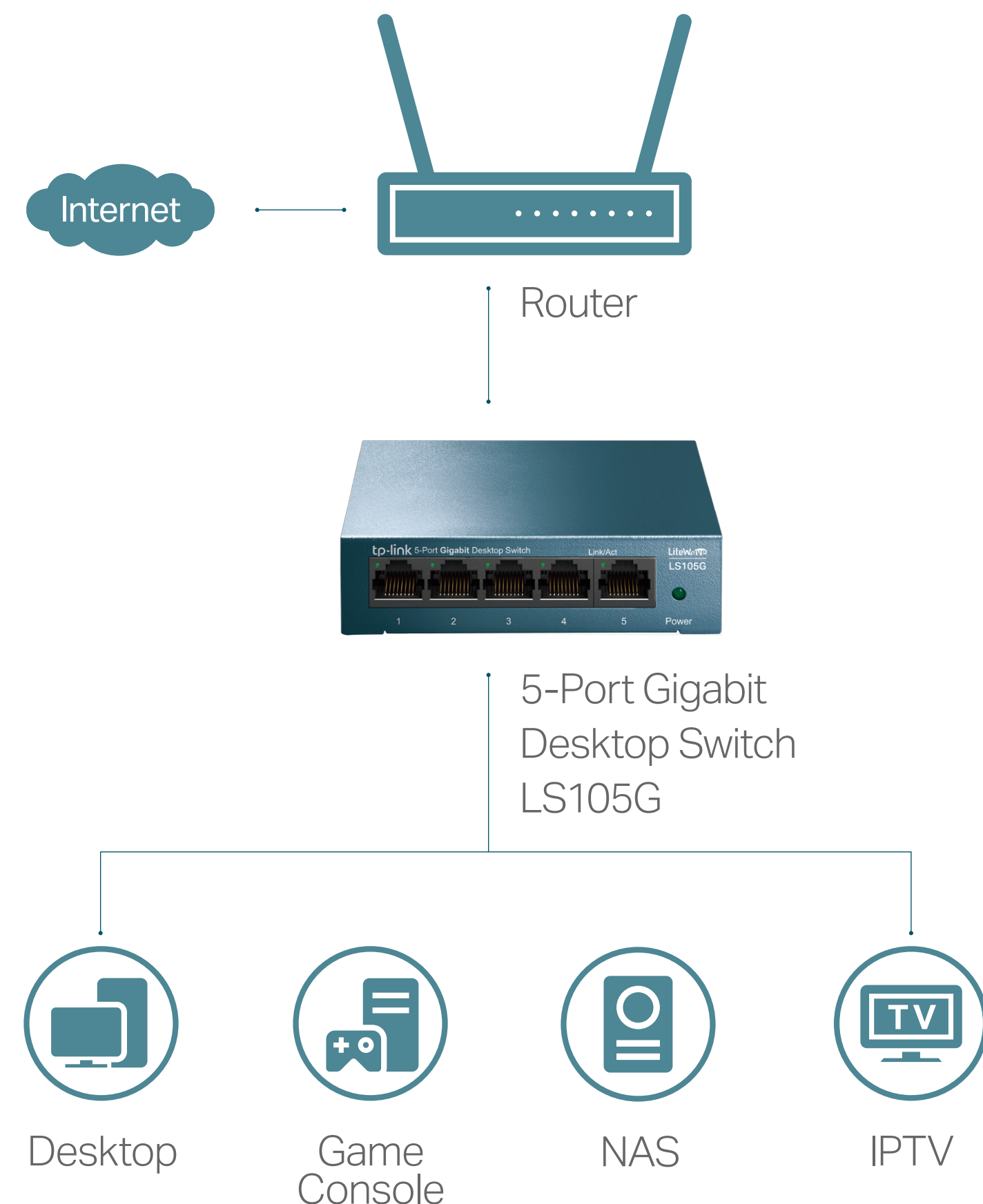
The TP-Link LiteWave Series Unmanaged Switches provide simplest and most affordable way to expand your wired network. They are reliable and easy to use. With these plug-and-play switches, you can expand your network connections to multiple devices instantly. With all ports support Auto-MDI/MDIX, there's no need to worry about the type of cable to use. Moreover The LiteWave Series also supports energy-efficient technology, helping you save power and money.

## Highlights

- Plug and play, no configuration needed;
- Fast Ethernet or Gigabit Ethernet connectivity;
- Green Ethernet technology saves power;
- IEEE 802.3x flow control provides reliable data transfer;
- Compact form and desktop design;
- Fanless design ensures quiet operation
- Auto-MDI/MDIX eliminates the need for crossover cables
- Auto-negotiation guarantees the highest speed for each port
- Support 802.1p/DSCP QoS function (only for LS105G/LS108G)
- Wall-mounting design(only for LS105G/LS108G/LS1005G/LS1008G)

## Network Diagram

Note: LS105G is used for demonstration



Specifications

|                                 |                                                                                                                                                                                                |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product Pictures                |                                                                                                               |  |  |  |  |  |
| Model                           | LS105G                                                                                                                                                                                         | LS108G                                                                             | LS1005G                                                                             | LS1008G                                                                             | LS1005                                                                              | LS1008                                                                              |
| Standards                       | IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p                                                                                                                               |                                                                                    | IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x                                 |                                                                                     | IEEE 802.3i, IEEE 802.3u, IEEE 802.3x                                               |                                                                                     |
| Forwarding Mode                 | Store and forward                                                                                                                                                                              |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Interface                       | 5 10/100/1000Mbps RJ45 ports                                                                                                                                                                   | 8 10/100/1000Mbps RJ45 ports                                                       | 5 10/100/1000Mbps RJ45 ports                                                        | 8 10/100/1000Mbps RJ45 ports                                                        | 5 10/100Mbps RJ45 ports                                                             | 8 10/100Mbps RJ45 ports                                                             |
| Shell material                  | Metal                                                                                                                                                                                          | Metal                                                                              | Plastic                                                                             | Plastic                                                                             | Plastic                                                                             | Plastic                                                                             |
| CONNECTOR TYPE                  | Plastic                                                                                                                                                                                        | Plastic                                                                            | Plastic                                                                             | Plastic                                                                             | Plastic                                                                             | Plastic                                                                             |
| Switching Capacity              | 10Gbps                                                                                                                                                                                         | 16Gbps                                                                             | 10Gbps                                                                              | 16Gbps                                                                              | 1.0Gbps                                                                             | 1.6Gbps                                                                             |
| MAC Address Table               | 2K                                                                                                                                                                                             | 4K                                                                                 | 2K                                                                                  | 4K                                                                                  | 2K                                                                                  | 2K                                                                                  |
| Packet Forwarding Rate          | 7.4Mpps                                                                                                                                                                                        | 11.9Mpps                                                                           | 7.4Mpps                                                                             | 11.9Mpps                                                                            | 0.7Mpps                                                                             | 1.2Mpps                                                                             |
| Jumbo Frame                     | 16KB                                                                                                                                                                                           | 16KB                                                                               | 16KB                                                                                | 16KB                                                                                | 2KB                                                                                 | 2KB                                                                                 |
| Advanced Features               | Green Technology; 802.3x Flow Control; 802.1p/DSCP QoS                                                                                                                                         |                                                                                    | Green Technology; 802.3x Flow Control                                               |                                                                                     |                                                                                     |                                                                                     |
| Max Power Consumption           | 2.776W                                                                                                                                                                                         | 3.7W                                                                               | 3.7W                                                                                | 3.9W                                                                                | 1.65W                                                                               | 2.64W                                                                               |
| Max Heat Dissipation            | 9.466 Btu/hr                                                                                                                                                                                   | 12.617 Btu/hr                                                                      | 12.617 Btu/hr                                                                       | 13.299 Btu/hr                                                                       | 5.627Btu/hr                                                                         | 9.002Btu/hr                                                                         |
| LEDs                            | Power, Link/Act (indicator per port built into RJ45 port)                                                                                                                                      |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Power Supply (External Adapter) | 5V/0.6A                                                                                                                                                                                        | 9V/0.6A                                                                            | 5V/0.6A                                                                             | 9V/0.6A                                                                             | 5V/0.6A                                                                             |                                                                                     |
| Dimensions (W × D × H)          | 3.9*3.9*1.0 in.<br>(99.8 × 98 × 25 mm)                                                                                                                                                         | 6.2 × 3.9 × 1.0 in.<br>(158 × 99.1× 25 mm)                                         | 3.54*2.83*0.91 in.<br>(90 × 72 × 23 mm)                                             | 5 × 2.62 × 0.91 in.<br>(127 × 66.5 × 23 mm)                                         | 3.3*1.8*0.9 in.<br>(83.6 × 45.7 × 22.8 mm)                                          | 4.9 × 1.9 × 0.9 in.<br>(124.6 × 48.7 × 22.8 mm)                                     |
| Wall-Mounting                   | Yes                                                                                                                                                                                            |                                                                                    |                                                                                     |                                                                                     | No                                                                                  |                                                                                     |
| Certifications                  | CE, FCC, RoHS                                                                                                                                                                                  |                                                                                    |                                                                                     |                                                                                     | CE, RoHS                                                                            |                                                                                     |
| Environment                     | Operating Temperature: 0°C~40°C (32°F~104°F)<br>Storage Temperature: -40°C~70°C (-40°F~158°F)<br>Operating Humidity: 10% ~ 90%RH, non-condensing<br>Storage Humidity: 5%~95%RH, non-condensing |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |