

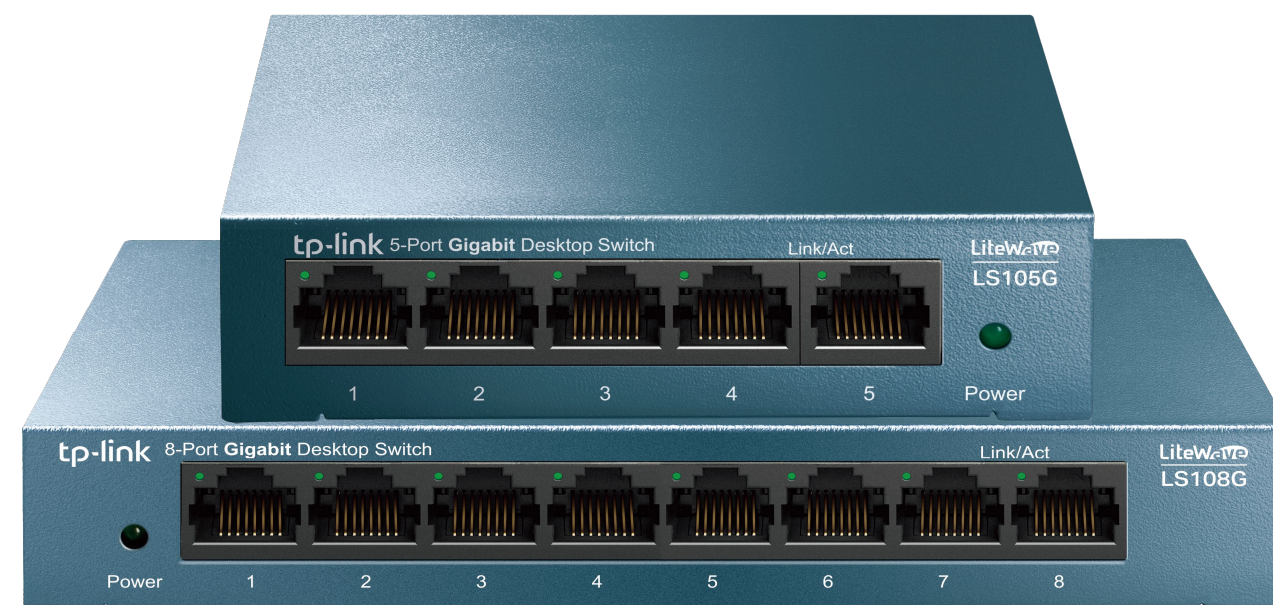


## Home/Office Ethernet Switches

Datasheet

LiteWave Series

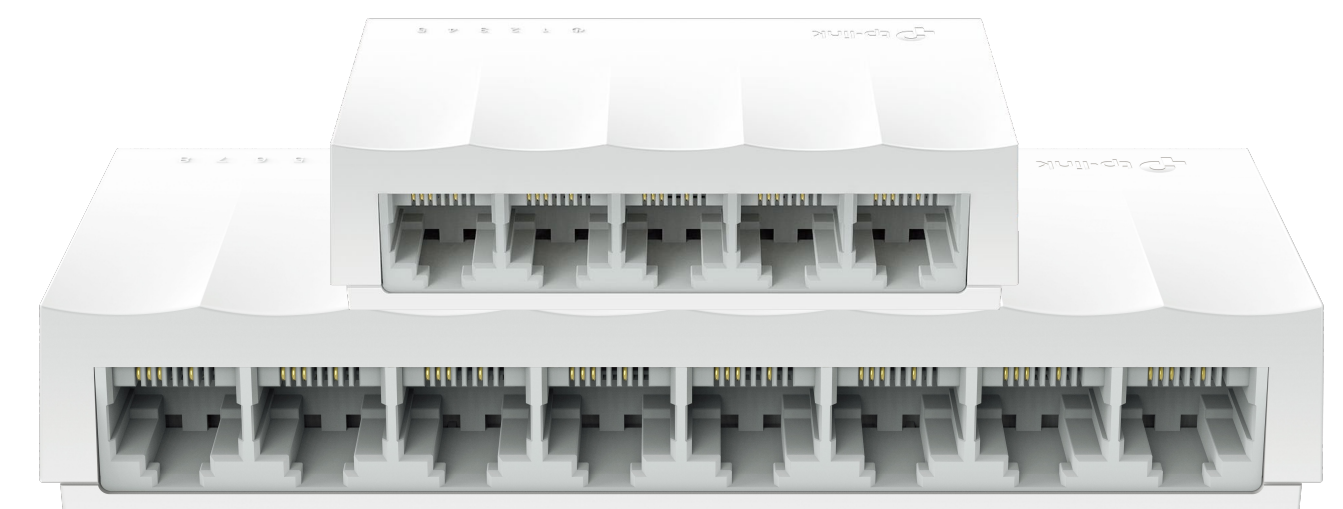
Ideal for  
**Basic**  
Networks



LS105G/LS108G



LS1005G/LS1008G



LS1005/LS1008

## Overview

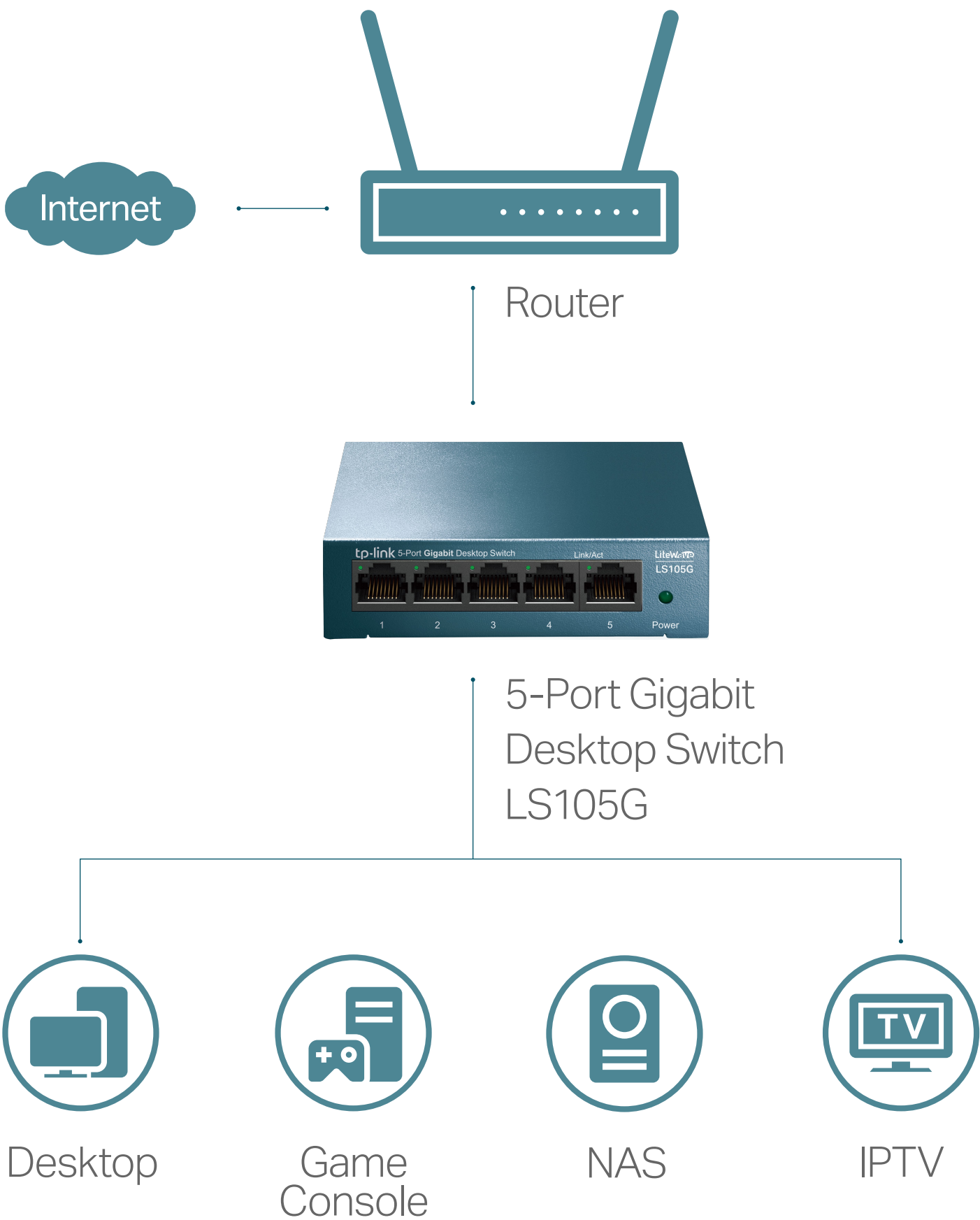
The TP-Link LiteWave Series Unmanaged Switches provide simplest and most affordable way to expand your wired network. They are reliable and easy to use. With these plug-and-play switches, you can expand your network connections to multiple devices instantly. With all ports support Auto-MDI/MDIX, there's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

## Highlights

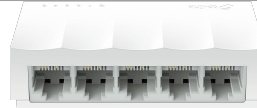
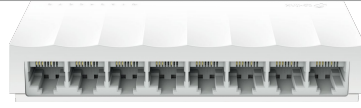
- Plug and play, no configuration needed;
- Fast Ethernet or Gigabit Ethernet connectivity;
- IEEE 802.3x flow control provides reliable data transfer;
- Compact form and desktop design;
- Fanless design ensures quiet operation
- Auto-MDI/MDIX eliminates the need for crossover cables
- Auto-negotiation 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                                                                             |
| 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                                                                             |
| Advanced Features               | 802.3x Flow Control; 802.1p/DSCP QoS                                                                                                                                                                        |                                                                                                                                                                                                            | 802.3x Flow Control                                                                                                                                                                                         |                                                                                                                                                                                                |                                                                                     |                                                                                     |
| Max Power Consumption           | 2.18W                                                                                                                                                                                                       | 3.99W                                                                                                                                                                                                      | 2.18W                                                                                                                                                                                                       | 4.08W                                                                                                                                                                                          | 1.92W                                                                               | 1.86W                                                                               |
| Max Heat Dissipation            | 12.17 Btu/hr                                                                                                                                                                                                | 13.61 Btu/hr                                                                                                                                                                                               | 13.02 Btu/hr                                                                                                                                                                                                | 13.95 Btu/hr                                                                                                                                                                                   | 6.55 Btu/hr                                                                         | 6.34 Btu/hr                                                                         |
| LEDs                            | Power, Link/Act (indicator per port built into RJ45 port)                                                                                                                                                   |                                                                                                                                                                                                            |                                                                                                                                                                                                             |                                                                                                                                                                                                |                                                                                     |                                                                                     |
| Power Supply (External Adapter) | 5V/0.6A                                                                                                                                                                                                     |                                                                                                                                                                                                            |                                                                                                                                                                                                             |                                                                                                                                                                                                |                                                                                     |                                                                                     |
| Dimensions (W × D × H)          | 3.9*3.9*1.0 in.<br>(99.8 x 98 x 25 mm)                                                                                                                                                                      | 6.2 x 3.9 x 1.0 in.<br>(158 x 99.1x 25 mm)                                                                                                                                                                 | 3.54*2.83*0.91 in.<br>(90 x 72 x 23 mm)                                                                                                                                                                     | 5 x 2.62 x 0.91 in.<br>(127 x 66.5 x 23 mm)                                                                                                                                                    | 3.3*1.8*0.9 in.<br>(83.6 x 45.7 x 22.8 mm)                                          | 4.9 x 1.9 x 0.9 in.<br>(124.6 x 48.7 x 22.8 mm)                                     |
| Wall-Mounting                   | Yes                                                                                                                                                                                                         |                                                                                                                                                                                                            |                                                                                                                                                                                                             |                                                                                                                                                                                                | No                                                                                  |                                                                                     |
| Certifications                  | CE, FCC                                                                                                                                                                                                     |                                                                                                                                                                                                            |                                                                                                                                                                                                             |                                                                                                                                                                                                | CE                                                                                  |                                                                                     |
| Environment                     | Operating Temperature:<br>-5°C~40°C (23°F~104°F)<br>Storage Temperature:<br>-40°C~70°C (-40°F~158°F)<br>Operating Humidity:<br>10% ~ 90%RH, non-condensing<br>Storage Humidity:<br>5%~95%RH, non-condensing | Operating Temperature:<br>0°C~40°C (32°F~104°F)<br>Storage Temperature:<br>-40°C~70°C (-40°F~158°F)<br>Operating Humidity:<br>10% ~ 90%RH, non-condensing<br>Storage Humidity:<br>5%~95%RH, non-condensing | Operating Temperature:<br>-5°C~40°C (23°F~104°F)<br>Storage Temperature:<br>-40°C~60°C (-40°F~140°F)<br>Operating Humidity:<br>10% ~ 90%RH, non-condensing<br>Storage Humidity:<br>5%~95%RH, non-condensing | Operating Temperature: 0°C~40°C (32°F~104°F)<br>Storage Temperature: -40°C~60°C (-40°F~140°F)<br>Operating Humidity: 10% ~ 90%RH, non-condensing<br>Storage Humidity: 5%~95%RH, non-condensing |                                                                                     |                                                                                     |