

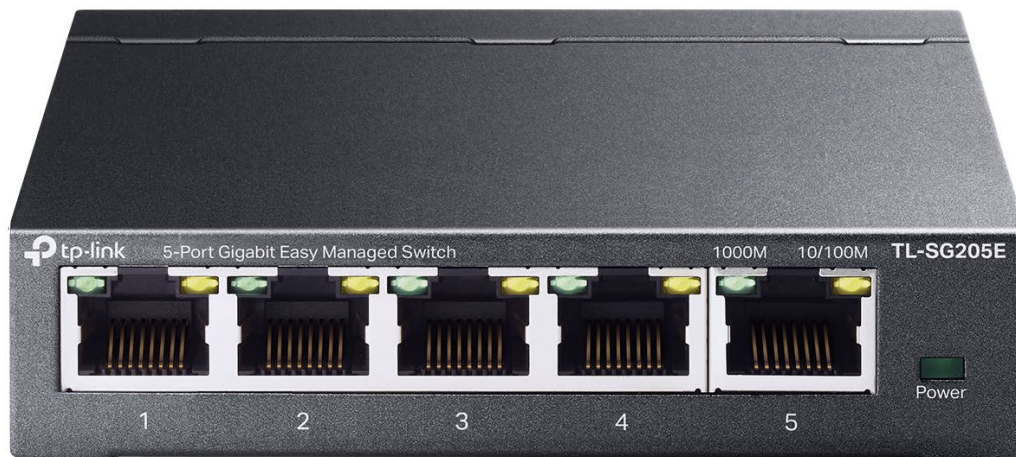


# Easy Managed Switch | Datasheet

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## TL-SG205E

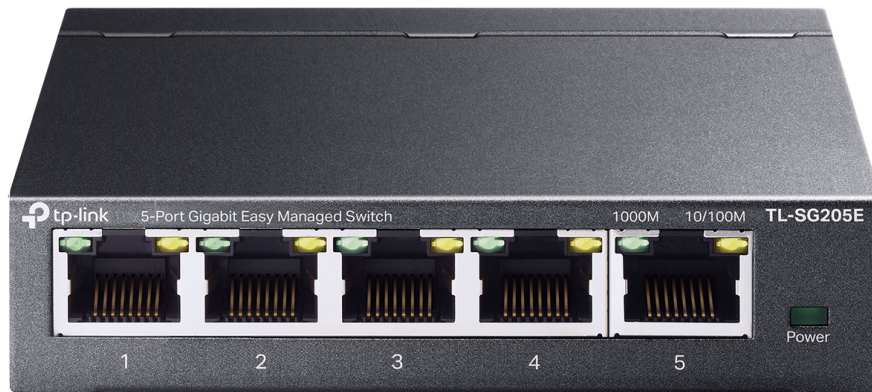
5-Port Gigabit Easy Managed Switch



### Highlights

- 5× 10/100/1000Mbps RJ45 ports
- Easy to Use: Supports plug-and-play for instant connectivity and simple configuration for additional features
- Centralized Cloud Management via the web or the app<sup>†</sup>
- Automatic Loop Prevention, VLAN, and IGMP Snooping
- Fanless design for silent operation
- Durable metal casing and desktop/wall mounting design

## Product Pictures



5 × Gigabit RJ45 ports



# Specifications

## Hardware Features & Performance

|                        |                        |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                  |                        | TL-SG205E                                                                                                                                                                                                                                                                                                                                                                                                                 |
| General                | Interface              | 5 10/100/1000Mbps RJ45 Ports                                                                                                                                                                                                                                                                                                                                                                                              |
|                        | Flash                  | 64 Mbit                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                        | Port Standard          | IEEE 802.3: Ethernet Media Access Control (MAC) Protocol<br>IEEE 802.3i: 10BASE-T Ethernet<br>IEEE 802.3u: 100BASE-X Fast Ethernet<br>IEEE 802.3ab: 1000BASE-T Gigabit Ethernet<br>IEEE 802.3x: Flow Control<br>IEEE 802.1p: Traffic Class Expediting and Dynamic Multicast Filtering<br>IEEE 802.1q: Virtual Bridged Local Area Networks<br>IEEE 802.1ab: Station and Media Access Control Connectivity Discovery (LLDP) |
|                        |                        |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Performance            | Switching Capacity     | 10 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                        | Packet Forwarding Rate | 7.4 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                        | MAC Address Table      | 8K                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                        | Packet Buffer          | 4 Mbit                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                        | Transmission Method    | Store and Forward                                                                                                                                                                                                                                                                                                                                                                                                         |
|                        | Jumbo Frame            | 15 KB                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Physical & Environment | Power Supply           | 5 VDC / 0.6 A                                                                                                                                                                                                                                                                                                                                                                                                             |
|                        | Surge Protection       | ±6 kV in common mode for Ethernet Ports                                                                                                                                                                                                                                                                                                                                                                                   |
|                        | ESD Protection         | Air: ±8 kV, Contact: ±4 kV                                                                                                                                                                                                                                                                                                                                                                                                |
|                        | MTBF                   | 1596664h @ 25°C                                                                                                                                                                                                                                                                                                                                                                                                           |
|                        | Dimensions (W x D x H) | 3.9 × 3.9 × 1.0 in ( 99.8 × 98 × 25 mm)                                                                                                                                                                                                                                                                                                                                                                                   |
|                        | Fan Quantity           | Fanless                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                        | Installation           | Desktop/Wall-Mounting                                                                                                                                                                                                                                                                                                                                                                                                     |
|                        | Operating Temperature  | 0 °C to 40 °C (32 °F to 104 °F)                                                                                                                                                                                                                                                                                                                                                                                           |
|                        | Storage Temperature    | -40 °C to 70 °C (-40 °F to 158 °F)                                                                                                                                                                                                                                                                                                                                                                                        |
|                        | Operation Humidity     | 10% to 90% RH, non-condensing                                                                                                                                                                                                                                                                                                                                                                                             |
|                        | Storage Humidity       | 5% to 90% RH, non-condensing                                                                                                                                                                                                                                                                                                                                                                                              |
|                        | Certification          | FCC                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Software Features   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model               | TL-SG205E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SDN Support         | <ul style="list-style-type: none"> <li>• Support Hardware Controller, Software Controller, Cloud-Based Controller</li> <li>• Automatic Device Discovery</li> <li>• Batch Configuration</li> <li>• Batch Firmware Upgrading</li> <li>• Unified Configuration</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                           |
| L2 Features         | <ul style="list-style-type: none"> <li>• Link Aggregation <ul style="list-style-type: none"> <li>- Static Link Aggregation</li> <li>- Up to 2 aggregation groups and up to 4 ports per group</li> </ul> </li> <li>• Loopback Detection</li> <li>• Flow Control <ul style="list-style-type: none"> <li>- 802.3x Flow Control</li> </ul> </li> <li>• Mirroring <ul style="list-style-type: none"> <li>- Port Mirroring</li> <li>- One-to-One</li> <li>- Many-to-One</li> <li>- Ingress/Egress/Both</li> </ul> </li> <li>• Port Statistics <ul style="list-style-type: none"> <li>- Port Mirror Status</li> <li>- Traffic Statistics</li> </ul> </li> <li>• 802.1ab LLDP</li> </ul> |
| L2 Multicast        | <ul style="list-style-type: none"> <li>• IGMP Snooping <ul style="list-style-type: none"> <li>- IGMP v1/v2/v3 Snooping</li> <li>- Fast Leave</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| VLAN                | <ul style="list-style-type: none"> <li>• MTU VLAN</li> <li>• Port-Based VLAN</li> <li>• 802.1Q Tag VLAN <ul style="list-style-type: none"> <li>- Max 32 VLAN Groups</li> <li>- 4K VID</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| QoS                 | <ul style="list-style-type: none"> <li>• 802.1p DSCP Priority</li> <li>• 8 Priority Queues</li> <li>• Priority Schedule Mode <ul style="list-style-type: none"> <li>- WRR (Weighted Round Robin)</li> </ul> </li> <li>• Queue Weight Config</li> <li>• Bandwidth Control <ul style="list-style-type: none"> <li>- Port-Based Rating Limit</li> </ul> </li> <li>• Storm Control <ul style="list-style-type: none"> <li>- Multiple Control Modes (kbps/pps)</li> <li>- Broadcast/Multicast/Unknown-Unicast Control†</li> </ul> </li> </ul>                                                                                                                                         |
| Management Features | <ul style="list-style-type: none"> <li>• Web-based GUI</li> <li>• DHCP Client</li> <li>• Cable Diagnostics</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

† These functions require the use of an Omada Controller.