



## TP-Link Omada 52-Port Gigabit L2+ Managed Switch with 48-Port PoE+

**Brand :** TP-Link

**Product family:** Omada

**Product code:** SG3452P



**Product name :** Omada 52-Port Gigabit L2+ Managed Switch with 48-Port PoE+

48x Gigabit 802.3af/at PoE+, 4x Gigabit SFP, 1x RJ45 Console, 1x Micro-USB Console, 104 Gbps, 16 K MAC, 9 KB Jumbo, 440 x 330 x 44 mm

### TP-Link Omada 52-Port Gigabit L2+ Managed Switch with 48-Port PoE+:

TP-Link | Omada L2+ managed switches provide high performance, powerful L2 and L2+ features like static routing, enterprise-level QoS, advanced security strategies and a bundle of ISP features. The IP-MAC-Port Binding (IMPB) and Access Control List (ACL) functions protect against broadcast storm, ARP and Denial-of-Service (DoS) attacks, etc. Quality of Service (QoS, L2 to L4) provides enhanced traffic management capabilities to move your data smoother and faster. The OAM and DDM functions help facilitate network management. Moreover, the easy-to-use web management interfaces, along with CLI, SNMP and Dual Image mean faster setup and configuration with less downtime. TP-Link | Omada L2+ managed Switches provide a reliable, secure solution for enterprise, campus and ISP networks.

| Management features                             |                                                                               | Security                                       |                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------|
| Switch type *                                   | Managed                                                                       | Loop protection                                | ✓                                                   |
| Switch layer                                    | L2/L3                                                                         | BPDU filtering/protection                      | ✓                                                   |
| Quality of Service (QoS) support                | ✓                                                                             | Authentication                                 | MAC-based authentication, Port-based authentication |
| Web-based management                            | ✓                                                                             | Password protection                            | ✓                                                   |
| Cloud-managed                                   | ✓                                                                             | Multicast features                             |                                                     |
| ARP inspection                                  | ✓                                                                             | Multicast support                              | ✓                                                   |
| System event log                                | ✓                                                                             | Protocols                                      |                                                     |
| MIB support                                     | Yes                                                                           | Management protocols                           | SNMPv1/v2c/v3, SNTp                                 |
| Ports & interfaces                              |                                                                               | GARP VLAN Registration Protocol (GVRP)         | ✓                                                   |
| Basic switching RJ-45 Ethernet ports quantity * | 48                                                                            | Design                                         |                                                     |
| Basic switching RJ-45 Ethernet ports type *     | Gigabit Ethernet (10/100/1000)                                                | Rack mounting *                                | ✓                                                   |
| SFP module slots quantity                       | 4                                                                             | Form factor                                    | 1U                                                  |
| Console port                                    | RJ-45/micro-USB                                                               | Product colour                                 | Black                                               |
| Power connector                                 | AC-in jack                                                                    | Reset button                                   | ✓                                                   |
| Network                                         |                                                                               | LED indicators                                 | ✓                                                   |
| Networking standards *                          | IEEE 802.1D, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ad, IEEE 802.3x | Number of fans                                 | 3 fan(s)                                            |
| 10G support *                                   | ✗                                                                             | Power                                          |                                                     |
| Port mirroring                                  | ✓                                                                             | Power source *                                 | AC                                                  |
| IP routing                                      | ✓                                                                             | Power supply included *                        | ✓                                                   |
| Policy-based routing                            | ✓                                                                             | AC input voltage                               | 100 - 240 V                                         |
| Flow control support                            | ✓                                                                             | AC input frequency                             | 50/60 Hz                                            |
| Link aggregation                                | ✓                                                                             | Power consumption (max)                        | 464.2 W                                             |
| Broadcast storm control                         | ✓                                                                             | Power over Ethernet (PoE)                      |                                                     |
| Rate limiting                                   | ✓                                                                             | Power over Ethernet (PoE) *                    | ✓                                                   |
| Spanning tree protocol                          | ✓                                                                             | Power over Ethernet plus (PoE+) ports quantity | 48                                                  |
| Head-of-line (HOL) blocking                     | ✓                                                                             | Power over Ethernet (PoE) power per port       | 30 W                                                |
| Ethernet LAN data rates                         | 10,100,1000 Mbit/s                                                            | Total Power over Ethernet (PoE) budget         | 384 W                                               |
| Active link detection                           | ✓                                                                             |                                                |                                                     |
| VLAN support                                    | ✓                                                                             |                                                |                                                     |

| Network                   |                                                                                     | Operational conditions            |               |
|---------------------------|-------------------------------------------------------------------------------------|-----------------------------------|---------------|
| Virtual LAN features      | MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN  | Operating temperature (T-T)       | 0 - 40 °C     |
| Number of VLANs           | 4000                                                                                | Storage temperature (T-T)         | -40 - 70 °C   |
| Data transmission         |                                                                                     | Operating relative humidity (H-H) | 10 - 90%      |
|                           |                                                                                     | Storage relative humidity (H-H)   | 5 - 90%       |
|                           |                                                                                     | Heat dissipation                  | 1584.08 BTU/h |
|                           |                                                                                     | Weight & dimensions               |               |
| Switching capacity *      | 104 Gbit/s                                                                          | Width                             | 440 mm        |
| Forwarding rate           | 77.38 Mpps                                                                          | Depth                             | 330 mm        |
| MAC address table *       | 16000 entries                                                                       | Height                            | 44 mm         |
| Store-and-forward         | ✓                                                                                   | Packaging content                 |               |
| Static route              | ✓                                                                                   |                                   |               |
| Number of static routes   | 48                                                                                  |                                   |               |
| Jumbo frames support      | ✓                                                                                   |                                   |               |
| Jumbo frames              | 9000                                                                                | Cables included                   | AC            |
| Packet buffer memory      | 12 MB                                                                               | Quick start guide                 | ✓             |
| Security                  |                                                                                     | Manual                            | ✓             |
|                           |                                                                                     | Packaging data                    |               |
|                           |                                                                                     | Package type                      | Box           |
|                           |                                                                                     |                                   |               |
|                           |                                                                                     |                                   |               |
| DHCP features             | DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 snooping |                                   |               |
| Access Control List (ACL) | ✓                                                                                   |                                   |               |
| IGMP snooping             | ✓                                                                                   |                                   |               |
| SSH/SSL support           | ✓                                                                                   |                                   |               |



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### Catalog Object Cloud



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