



## TP-Link Omada SG3452XMPP network switch Managed L2+ Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) 1U Black

**Brand :** TP-Link

**Product family:** Omada

**Product code:** SG3452XMPP

**Product name :** SG3452XMPP



- 4x 10 Gbps SFP+ slots
- 8x Gigabit 802.af/at/bt PoE++ ports (Max 90 W PoE budget for each port)
- 40x Gigabit 802.3af/at PoE+ ports (Max 30 W budget for each port)
- 750 W total PoE budget\*
- Centralized cloud management via the web or the Omada app†
- Standalone management via web, CLI, SNMP, and RMON

40x 10/100/1000 Mbps RJ45 PoE+, 4x 10G SFP+ Slots, 1x RJ45, 1x Micro-USB, 176 Gbps, MAC 16 K, 440 x 330 x 44 mm

TP-Link Omada SG3452XMPP. Switch type: Managed, Switch layer: L2+. Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000), Basic switching RJ-45 Ethernet ports quantity: 48, Console port: RJ-45/Micro-USB. MAC address table: 16000 entries, Switching capacity: 176 Gbit/s. Networking standards: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3af, IEEE.... Power connector: AC-in jack. Power over Ethernet (PoE). Rack mounting, Form factor: 1U

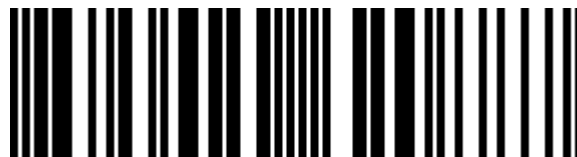


| Management features                             |                                                                                                                                                   | Security                                         |                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|
| Switch type *                                   | Managed                                                                                                                                           | BPDU filtering/protection                        | ✓                     |
| Switch layer                                    | L2+                                                                                                                                               | IP-MAC-Port binding                              | ✓                     |
| Quality of Service (QoS) support                | ✓                                                                                                                                                 | Authentication                                   | Auto VLAN, Guest VLAN |
| Web-based management                            | ✓                                                                                                                                                 | Multicast features                               |                       |
| Cloud-managed                                   | ✓                                                                                                                                                 | Multicast support                                | ✓                     |
| ARP inspection                                  | ✓                                                                                                                                                 | Design                                           |                       |
| Configuring Location Settings (CLI)             | ✓                                                                                                                                                 | Rack mounting *                                  | ✓                     |
| System event log                                | ✓                                                                                                                                                 | Form factor                                      | 1U                    |
| Ports & interfaces                              |                                                                                                                                                   | Product colour                                   | Black                 |
| Basic switching RJ-45 Ethernet ports quantity * | 48                                                                                                                                                | Reset button                                     | ✓                     |
| Basic switching RJ-45 Ethernet ports type *     | Gigabit Ethernet (10/100/1000)                                                                                                                    | LED indicators                                   | ✓                     |
| SFP+ module slots quantity                      | 4                                                                                                                                                 | Number of fans                                   | 3 fan(s)              |
| Console port                                    | RJ-45/Micro-USB                                                                                                                                   | Power                                            |                       |
| Power connector                                 | AC-in jack                                                                                                                                        | Power source *                                   | AC                    |
| Network                                         |                                                                                                                                                   | Power supply included *                          | ✓                     |
| Networking standards *                          | IEEE 802.1D, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3af, IEEE 802.3at, IEEE 802.3i, IEEE 802.3u, IEEE 802.3z | AC input voltage                                 | 100 - 240 V           |
|                                                 |                                                                                                                                                   | AC input frequency                               | 50/60 Hz              |
|                                                 |                                                                                                                                                   | Power consumption (max)                          | 635.7 W               |
|                                                 |                                                                                                                                                   | Power over Ethernet (PoE)                        |                       |
|                                                 |                                                                                                                                                   | Power over Ethernet (PoE) *                      | ✓                     |
| 10G support *                                   | ✓                                                                                                                                                 | Power over Ethernet plus (PoE+) ports quantity   | 40                    |
| Port mirroring                                  | ✓                                                                                                                                                 | Power over Ethernet 4PPoE (PoE++) ports quantity | 8                     |
| Flow control support                            | ✓                                                                                                                                                 | Power over Ethernet (PoE) power per port         | 30 W                  |
| Link aggregation                                | ✓                                                                                                                                                 |                                                  |                       |
| Broadcast storm control                         | ✓                                                                                                                                                 |                                                  |                       |
| Rate limiting                                   | ✓                                                                                                                                                 |                                                  |                       |

| Network                     |                                      | Power over Ethernet (PoE)              |               |
|-----------------------------|--------------------------------------|----------------------------------------|---------------|
| Spanning tree protocol      | ✓                                    | Total Power over Ethernet (PoE) budget | 750 W         |
| Head-of-line (HOL) blocking | ✓                                    | Operational conditions                 |               |
| VLAN support                | ✓                                    | Operating temperature (T-T)            | 0 - 40 °C     |
| Data transmission           |                                      | Storage temperature (T-T)              | -40 - 70 °C   |
| Switching capacity *        | 176 Gbit/s                           | Operating relative humidity (H-H)      | 10 - 90%      |
| Forwarding rate             | 130.9 Mpps                           | Storage relative humidity (H-H)        | 5 - 90%       |
| MAC address table *         | 16000 entries                        | Heat dissipation                       | 2169.2 BTU/h  |
| Store-and-forward           | ✓                                    | Weight & dimensions                    |               |
| Jumbo frames support        | ✓                                    | Width                                  | 440 mm        |
| Jumbo frames                | 9000                                 | Depth                                  | 330 mm        |
| Packet buffer memory        | 12 MB                                | Height                                 | 44 mm         |
| Security                    |                                      | Packaging content                      |               |
| DHCP features               | DHCP client, DHCP relay, DHCP server | Cables included                        | AC            |
| Access Control List (ACL)   | ✓                                    | Quick start guide                      | ✓             |
| IGMP snooping               | ✓                                    | Certificates                           |               |
| MAC address filtering       | ✓                                    | Certification                          | CE, FCC, RoHS |
| Static port security        | ✓                                    |                                        |               |
| SSH/SSL support             | ✓                                    |                                        |               |



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### Catalog Object Cloud



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