



## TP-Link Omada SG3428X-M2 dispositivo de redes Gestionado L2+ 2.5G Ethernet (100/1000/2500) 1U Negro

**Marca :** TP-Link

**Familia de productos:** Omada **Código del producto:** SG3428X-M2



**Nombre del producto :**  
SG3428X-M2

TP-Link Omada SG3428X-M2. Tipo de interruptor: Gestionado, Capa del interruptor: L2+. Puertos tipo básico de conmutación RJ-45 Ethernet: 2.5G Ethernet (100/1000/2500), Cantidad de puertos básicos de conmutación RJ-45 Ethernet: 24, Puerto de consola: RJ-45/Micro-USB. Tabla de direcciones MAC: 32000 entradas, Capacidad de conmutación: 200 Gbit/s. Estándares de red: IEEE 802.1x, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3bz, IEEE 802.3i, IEEE 802.3u, IEEE 802.3z. Conector eléctrico: Conector de entrada de CA. Montaje en rack, Factor de forma: 1U

| Management features                             |                                                                                              | Security                                    |                                                                            |
|-------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------|
| Switch type *                                   | Managed                                                                                      | IGMP snooping                               | ✓                                                                          |
| Switch layer                                    | L2+                                                                                          | SSH/SSL support                             | ✓                                                                          |
| Quality of Service (QoS) support                | ✓                                                                                            | Loop protection                             | ✓                                                                          |
| Web-based management                            | ✓                                                                                            | BPDU filtering/protection                   | ✓                                                                          |
| Cloud-managed                                   | ✓                                                                                            | IP-MAC-Port binding                         | ✓                                                                          |
| ARP inspection                                  | ✓                                                                                            | Authentication                              | Auto VLAN, Guest VLAN, MAC-based authentication, Port-based authentication |
| Configuring Location Settings (CLI)             | ✓                                                                                            | Authentication type                         | AAA, RADIUS, TACACS+                                                       |
| System event log                                | ✓                                                                                            |                                             |                                                                            |
| MIB support                                     | Yes                                                                                          |                                             |                                                                            |
| Ports & interfaces                              |                                                                                              | Multicast features                          |                                                                            |
| Basic switching RJ-45 Ethernet ports quantity * | 24                                                                                           | Multicast support                           | ✓                                                                          |
| Basic switching RJ-45 Ethernet ports type *     | 2.5G Ethernet (100/1000/2500)                                                                | Multicast Listener Discovery (MLD) snooping | ✓                                                                          |
| 2.5G Ethernet (copper) ports quantity           | 24                                                                                           |                                             |                                                                            |
| SFP+ module slots quantity                      | 4                                                                                            |                                             |                                                                            |
| Console port                                    | RJ-45/Micro-USB                                                                              |                                             |                                                                            |
| Power connector                                 | AC-in jack                                                                                   |                                             |                                                                            |
| Network                                         |                                                                                              | Protocols                                   |                                                                            |
| Networking standards *                          | IEEE 802.1x, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3bz, IEEE 802.3i, IEEE 802.3u, IEEE 802.3z | Management protocols                        | SNMP v1/v2c/v3, SNMP                                                       |
| 10G support *                                   | ✓                                                                                            | GARP VLAN Registration Protocol (GVRP)      | ✓                                                                          |
| Port mirroring                                  | ✓                                                                                            | IPv4 & IPv6 features                        | IPv4/IPv6 access-control list (ACL), IPv6 Telnet, IPv6 ping, IPv6 tracer   |
| Policy-based routing                            | ✓                                                                                            | IPv4 FIB entries                            | 100                                                                        |
| Flow control support                            | ✓                                                                                            | IPv6 FIB entries                            | 100                                                                        |
| Link aggregation                                | ✓                                                                                            |                                             |                                                                            |
| Broadcast storm control                         | ✓                                                                                            |                                             |                                                                            |
| Rate limiting                                   | ✓                                                                                            |                                             |                                                                            |
| Spanning tree protocol                          | ✓                                                                                            |                                             |                                                                            |
| Head-of-line (HOL) blocking                     | ✓                                                                                            |                                             |                                                                            |
| Active link detection                           | ✓                                                                                            |                                             |                                                                            |
| IPv4 routes                                     | 48                                                                                           |                                             |                                                                            |
| IPv6 routes                                     | 48                                                                                           |                                             |                                                                            |
| VLAN support                                    | ✓                                                                                            |                                             |                                                                            |
| Virtual LAN features                            | Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN                                   |                                             |                                                                            |
|                                                 |                                                                                              | Design                                      |                                                                            |
|                                                 |                                                                                              | Rack mounting *                             | ✓                                                                          |
|                                                 |                                                                                              | Form factor                                 | 1U                                                                         |
|                                                 |                                                                                              | Product colour                              | Black                                                                      |
|                                                 |                                                                                              | LED indicators                              | ✓                                                                          |
|                                                 |                                                                                              | Number of fans                              | 1 fan(s)                                                                   |
|                                                 |                                                                                              | Power                                       |                                                                            |
|                                                 |                                                                                              | Power source *                              | AC                                                                         |
|                                                 |                                                                                              | Power supply included *                     | ✓                                                                          |
|                                                 |                                                                                              | AC input voltage                            | 100 - 240 V                                                                |
|                                                 |                                                                                              | AC input frequency                          | 50/60 Hz                                                                   |
|                                                 |                                                                                              | Power consumption (max)                     | 45.1 W                                                                     |
|                                                 |                                                                                              | Power over Ethernet (PoE)                   |                                                                            |
|                                                 |                                                                                              | Power over Ethernet (PoE) *                 | ✗                                                                          |
|                                                 |                                                                                              | Operational conditions                      |                                                                            |
|                                                 |                                                                                              | Operating temperature (T-T)                 | 0 - 40 °C                                                                  |

| Data transmission         |                                                                                     | Operational conditions            |                                                   |
|---------------------------|-------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------|
| Switching capacity *      | 200 Gbit/s                                                                          | Storage temperature (T-T)         | -40 - 70 °C                                       |
| Forwarding rate           | 148.8 Mpps                                                                          | Operating relative humidity (H-H) | 10 - 90%                                          |
| MAC address table *       | 32000 entries                                                                       | Storage relative humidity (H-H)   | 5 - 90%                                           |
| Store-and-forward         | ✓                                                                                   | Heat dissipation                  | 154.38 BTU/h                                      |
| Static route              | ✓                                                                                   | Weight & dimensions               |                                                   |
| Number of static routes   | 48                                                                                  | Width                             | 440 mm                                            |
| Jumbo frames support      | ✓                                                                                   | Depth                             | 180 mm                                            |
| Jumbo frames              | 9000                                                                                | Height                            | 44 mm                                             |
| Packet buffer memory      | 16 MB                                                                               | Packaging content                 |                                                   |
| Security                  |                                                                                     | Cables included                   | LAN (RJ-45)                                       |
| DHCP features             | DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 snooping | Quick start guide                 | ✓                                                 |
| Access Control List (ACL) | ✓                                                                                   | Certificates                      |                                                   |
|                           |                                                                                     | Compliance certificates           | CE, Federal Communications Commission (FCC), RoHS |
|                           |                                                                                     | Certification                     | CE, FCC, RoHS                                     |



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