

CARATTERISTICHE HARDWARE

Standard e protocolli	IEEE 802.3i, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1p, IEEE 802.1x
Interfaccia	<ul style="list-style-type: none"> • 16× 10/100/1000 Mbps RJ45 Ports (Ports 1–8 Support 802.3at/af PoE+) • Auto-Negotiation/Auto MDI/MDIX
Media	<ul style="list-style-type: none"> • 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) • 100BASE-TX/1000Base-T: UTP category 5, 5e or above cable (maximum 100m)
Numero ventole	Fanless
Alimentazione	<ul style="list-style-type: none"> • External Power Adapter (Output: 53.5 VDC/ 1.31 A)
Porte PoE	<ul style="list-style-type: none"> • Standard: 802.3af/at compliant • PoE Ports: 8 Ports • Power Supply: 120 W*
Dimensioni (L x P x A)	11.3 x 4.4 x 1.0 in (286 x 111.7 x 25.4 mm)
Max Power Consumption	146.5 W (110 V/60 Hz) (with 120 W PD connected)
Max Heat Dissipation	499.98 BTU/hr (110 V/60 Hz) (with 120 W PD connected)

PRESTAZIONI

Bandwidth/Backplane	16 Gbps
Tabella ARP	8k
Buffer (pacchetti)	4.1 Mbit
Jumbo frame	9 KB

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QoS (Quality of Service)	<ul style="list-style-type: none"> • 802.1p CoS/DSCP priority • 8 priority queues • Priority Schedule Mode <ul style="list-style-type: none"> - SP (Strict Priority) - WRR (Weighted Round Robin) • Queue Weight Config • Bandwidth Control <ul style="list-style-type: none"> - Port/Flow-based Rating Limit • Smoother Performance • Storm Control <ul style="list-style-type: none"> - Multiple Control Modes(kbps/ratio) - Broadcast/Multicast/Unknown-Unicast Control
Funzionalità L2 e L2+	<ul style="list-style-type: none"> • DHCP Relay <ul style="list-style-type: none"> - DHCP VLAN Relay • DHCP L2 Relay • Link Aggregation <ul style="list-style-type: none"> - Static link aggregation - 802.3ad LACP - Up to 8 aggregation groups and up to 8 ports per group • Spanning Tree Protocol <ul style="list-style-type: none"> - 802.1D STP - 802.1w RSTP - 802.1s MSTP - STP Security: TC Protect, BPDU Filter/Protect, Root Protect • Loopback Detection • Flow Control

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	<ul style="list-style-type: none"> - 802.3x Flow Control • Mirroring - Port Mirroring - CPU Mirroring - One-to-One - Many-to-One - Flow-Based - Ingress/Egress/Both • Device Link Detect Protocol (DLDP) • 802.1ab LLDP/ LLDP-MED
<p>L2 Multicast</p>	<ul style="list-style-type: none"> • 511 IPv4, IPv6 shared multicast groups • IGMP Snooping - IGMP v1/v2/v3 Snooping - Fast Leave - IGMP Snooping Querier - Static Group Config • Multicast VLAN Registration (MVR) • Multicast Filtering • MLD Snooping - MLD v1/v2 Snooping - Fast Leave - MLD Snooping Querier - Static Group Config • Limited IP Multicast (256 profiles and 16 entries per profile)
<p>IPv6 Support</p>	<ul style="list-style-type: none"> • IPv6 Dual IPv4/IPv6 • Multicast Listener Discovery (MLD) Snooping • IPv6 neighbor discovery (ND) • Path maximum transmission unit (MTU) discovery • Internet Control Message Protocol (ICMP) version 6 • TCPv6/UDPv6 • IPv6 applications - DHCPv6 Client - Ping6 - Tracert6 - Telnet (v6) - IPv6 SNMP - IPv6 SSH - IPv6 SSL - Http/Https - IPv6 TFTP
<p>VLAN</p>	<ul style="list-style-type: none"> • VLAN Group - Max. 4K VLAN Groups • 802.1Q tag VLAN • MAC VLAN: 12 Entries • Protocol VLAN • GVRP • Voice VLAN
<p>ACL (Access Control List)</p>	<ul style="list-style-type: none"> • Support up to 230 entries • Time-Range - Time Slice - Week Time-Range - Absolute Time-Range - Holiday • Time-based ACL • MAC ACL - Source MAC - Destination MAC - VLAN ID - User Priority - Ether Type • IP ACL - Source IP - Destination IP - IP Protocol - TCP Flag

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	<ul style="list-style-type: none"> - TCP/UDP Source Port - TCP/UDP Destination Port - DSCP/IP TOS • IPv6 ACL • Combined ACL • Rule Operation - Permit/Deny • Policy Action - Mirror - Rate Limit - Redirect - QoS Remark • ACL Rules Binding - Port Binding - VLAN Binding • Actions for flows - Mirror (to supported interface) - Redirect (to supported interface) - Rate Limit - QoS Remark
<p>Sicurezza</p>	<ul style="list-style-type: none"> • AAA • 802.1X - Port-based authentication - MAC (Host) based authentication - Authentication Method includes PAP/EAP-MD5 - MAB - Guest VLAN - Support Radius authentication and accountability • IP/IPv6-MAC Binding - 512 Binding Entries - DHCP Snooping - DHCPv6 Snooping - ARP Inspection - ND Detection • IP Source Guard - 253 Entries - Source IP+Source MAC • IPv6 Source Guard - 183 Entries - Source IPv6 Address+Source MAC • DoS Defend • Static/Dynamic/Permanent Port Security - Up to 64 MAC addresses per port • Broadcast/Multicast/Unicast Storm Control - kbps/ratio control mode • Port Isolation • Secure web management through HTTPS with SSLv3/TLS 1.2 • Secure Command Line Interface (CLI) management with SSHv1/SSHv2 • IP/Port/MAC-based access control
<p>Caratteristiche avanzate</p>	<ul style="list-style-type: none"> • Automatic Device Discovery • Batch Configuration • Batch Firmware Upgrading • Intelligent Network Monitoring • Abnormal Event Warnings • Unified Configuration • Reboot Schedule
<p>MIBs</p>	<ul style="list-style-type: none"> • MIB II (RFC1213) • Bridge MIB (RFC1493) • P/Q-Bridge MIB (RFC2674) • Radius Accounting Client MIB (RFC2620) • Radius Authentication Client MIB (RFC2618) • Remote Ping, Traceroute MIB (RFC2925)

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	<ul style="list-style-type: none"> • Support TP-Link private MIBs • RMON MIB(RFC1757, rmon 1,2,3,9)
GESTIONE	
Omada App	<p>Yes, through</p> <ul style="list-style-type: none"> • Omada Cloud-Based Controller • OC300 • OC200 • Omada Software Controller
Centralized Management	<ul style="list-style-type: none"> • Omada Cloud-Based Controller • Omada Hardware Controller (OC300) • Omada Hardware Controller (OC200) • Omada Software Controller
Cloud Access	<p>Yes, through</p> <ul style="list-style-type: none"> • Omada Cloud-Based Controller • OC300 • OC200 • Omada Software Controller
Zero-Touch Provisioning	Yes. Requiring the use of Omada Cloud-Based Controller
Management Features	<ul style="list-style-type: none"> • Web-based GUI • Command Line Interface (CLI) through telnet • SNMPv1/v2c/v3 • SNMP Trap/Inform • RMON (1,2,3,9 groups) • SDM Template • DHCP/BOOTP Client • Dual Image, Dual Configuration • CPU Monitoring • Cable Diagnostics • EEE • SNTP • System Log
ALTRO	
Certificazione	CE, FCC, RoHS
Contenuto della confezione	<ul style="list-style-type: none"> • TL-SG2016P • Power Adapter • Installation Guide • Rubber Feet
Requisiti di sistema	Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7/8/10/11, MAC® OS, NetWare®, UNIX® or Linux.
Ambiente	<ul style="list-style-type: none"> • Operating Temperature: 0–40 °C (32–104 °F); • Storage Temperature: -40–70 °C (-40–158 °F) • Operating Humidity: 10–90% RH non-condensing • Storage Humidity: 5–90% RH non-condensing