DONANIM ÖZELLİKLERİ

Standartlar ve Protokoller	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3az, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1p, IEEE 802.1x
Arabirim	• 24× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) • 4× Gigabit SFP Slots
Ağ Medyası	• 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) • 100BASE-TX/1000Base-T: UTP category 5, 5e or above cable (maximum 100m) • 1000BASE-X: MMF, SMF
Fan Sayısı	2
Güç Kaynağı	100-240V AC, 50/60Hz
PoE+ Portları (RJ45)	• Standard: 802.3at/af compliant • PoE+ Ports: 24 Ports • Power Supply: 250 W
PoE Portları (RJ45)	• Standard: 802.3at/af compliant • PoE+ Ports: 24 Ports • PoE Power Budget: 250 W*
Boyutlar (W X D X H)	17.3 × 8.7 × 1.73 in (440 × 220 × 44 mm)
Montaj	Rack Mountable
Maks. Güç Tüketimi	• 32.1 W (110 V/ 60 Hz with no PD connected) • 308.6 W (110 V/ 60 Hz with 250 W PD connected)
Max Heat Dissipation	109.53 BTU/h (with no PD connected) • 1052.94 BTU/h (with 250 W PD connected)

PERFORMANS

Anahtarlama Kapasitesi	56 Gbps
Bandwidth/Backplane	56 Gbps
Paket Yönlendirme Hızı	41.7 Mpps
MAC Adres Tablosu	8K
Paket Buffer Belleği	4.1 Mbit
Jumbo Frame	9KB

YAZILIM ÖZELLİKLERİ

Quality of Service	• Support 802.1p CoS/DSCP priority • Support 8 priority queues • Queue scheduling: SP, WRR, SP+WRR • Port/Flow- based Rate Limiting • IPv6 QoS • Voice VLAN
L2 ve L2+ Özellikleri	• 32 IP Interfaces - Support IPv4/IPv6 Interface • Static Routing - 32 IPv4/IPv6 Static Routes • DHCP Server • DHCP Relay - DHCP Interface Relay - DHCP VLAN Relay • DHCP L2 Relay • Static ARP • Proxy ARP • Gratuitous ARP • Link Aggregation - Static link aggregation - 802.3ad LACP - Up to 8 aggregation groups and up to 8 ports per group • Spanning Tree Protocol - 802.1D STP - 802.1w RSTP - 802.1s MSTP - STP Security: TC Protect, BPDU Filter/Protect, Root Protect • Loopback Detection • Flow Control - 802.3x Flow Control

YAZILIM ÖZELLİKLERİ	
	• 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
Gelişmiş Özellikler	• Automatic Device Discovery • Batch Configuration • Batch Firmware Upgrading • Intelligent Network Monitoring • Abnormal Event Warnings • Unified Configuration • Reboot Schedule
VLAN	• VLAN Group - Max. 4K VLAN Groups • 802.1Q tag VLAN • MAC VLAN: 12 Entries • Protocol VLAN • GVRP • Voice VLAN
Erişim Kontrol Listesi	• 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 - 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
Güvenlik	• 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

YAZILIM ÖZELLİKLERİ

	- 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
IPv6	• Dual IPv4/IPv6 stack • 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 Uygulamaları	
MIBs	• 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) • Support TP-Link private MIBs • RMON MIB(RFC1757, rmon 1,2,3,9)

YÖNETİM

Omada App	Yes, through • Omada Cloud-Based Controller • OC300 • OC200 • Omada Software Controller
Centralized Management	• Omada Cloud-Based Controller • Omada Hardware Controller OC300 • Omada Hardware Controller OC200 • Omada Software Controller
Cloud Access	Yes, through • Omada Cloud-Based Controller • OC300 • OC200 • Omada Software Controller
Zero-Touch Provisioning	Yes. Requiring the use of Omada Cloud-Based Controller
Management Features	• 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

DİĞERLERİ

Sertifika	CE, FCC, RoHS
Paket İçeriği	TL-SG2428P • Power Cord • Installation Guide • Rackmount Kit • Rubber Feet
Sistem Gereksinimleri	Microsoft® Windows® XP, Vista™ or Windows 7, Windows 8, Windows 10, MAC® OS, NetWare®, UNIX® or Linux.
Ortam	• Operating Temperature: 0–40 ℃ (32–104 ℉); • Storage Temperature: -40–70 ℃ (-40–158 ℉) • Operating Humidity: 10–90% RH non-condensing • Storage Humidity: 5–90% RH non-condensing