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Product Specification Sheet

TP ES216G

TP-Link ES216G Omada 16 port Gigabit Easy Managed Switch

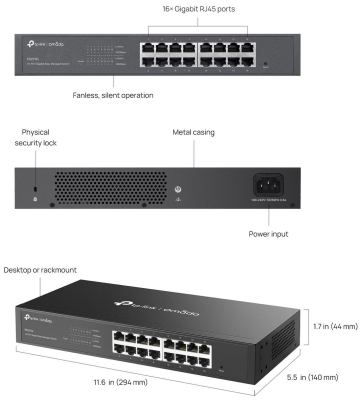
Product Overview

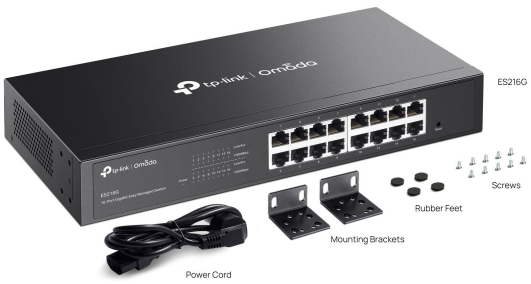
TP-Link ES216G Omada 16 port Gigabit Easy Managed Switch, 16x Gigabit RJ45 Ports, Rackmountable, 32 Gbps switching capacity, Fanless Design for Silent Operation, Omada Cloud Essentials centralized Management support











Specifications

Overview Summary:

Upgrade your network infrastructure with the TP-Link ES216G Omada 16-Port Gigabit Easy Managed Switch, now available for purchase in South Africa. This robust device delivers seamless high-performance connectivity tailored for business and surveillance networks, ensuring reliable data traffic handling across all connected devices. With its fanless design, you enjoy silent operation perfect for offices, while centralized cloud management via Omada Cloud Essentials allows for effortless remote monitoring and control from anywhere.

Equipped with advanced security features like automatic loop prevention and VLAN support, this switch guarantees a secure and efficient environment for your critical data. Whether you need to prioritize video surveillance traffic or segment networks for better performance, the ES216G handles it all with ease. Secure your network today by buying now from our online store.

Performance tier: Enterprise Grade

Uses: Small business networking, surveillance systems, office connectivity, cloud management, secure data transfer

Overview:

The TP-Link ES216G Omada 16-Port Gigabit Easy Managed Switch delivers robust connectivity for business and surveillance networks, combining high performance with flexible management options. This device is engineered to handle efficient data traffic across up to 16 Gigabit Ethernet ports, making it an ideal choice for environments that require reliable network infrastructure without the complexity of traditional enterprise setups. Whether you need centralized cloud control via Omada Cloud Essentials or a simple plug-and-play experience, this switch ensures consistent operation.

Description:

The TP-Link ES216G (Part Number: TP ES216G) is designed for seamless integration into small to medium-sized networks. It features 16 Gigabit RJ45 ports and supports Omada Cloud Essentials for remote monitoring and control from any location. The fanless construction guarantees silent operation, perfect for offices or quiet spaces where noise reduction matters. With advanced capabilities like traffic prioritization, automatic loop prevention, and enhanced security protocols, the ES216G ensures smooth network performance even during high-demand surveillance applications.

Features:

Key Features of the TP-Link ES216G:

- 16 Gigabit Ethernet Ports:Connects up to 16 devices with 10/100/1000Mbps speeds for fast and reliable performance.
- Fanless Operation:Silent design reduces noise, ideal for offices or quiet environments.
- Centralized Management:Easily manage the entire network using the user-friendly Omada Cloud Essentials platform.
- VLAN and Port Isolation:Segment traffic to improve security and efficiency between connected devices.
- Advanced Protection:Includes automatic loop prevention and IGMP Snooping to ensure uninterrupted data flow.
- Traffic Prioritization (QoS):Ensures high-priority traffic like video or VoIP is handled first without delays.
- Built-in Cable Test:Quickly diagnose connection issues with the integrated cable diagnostic tool.
- Durable Design:Sturdy metal casing supports both desktop and rackmountable installation setups.

Simplified Cloud Management
Omada Cloud Essentials transforms network administration by allowing you to manage TP-Link devices from anywhere at any time. This free cloud-based service eliminates the need for complex on-site setups, making it an excellent solution for small businesses and surveillance systems. Users can easily monitor status, configure settings, and maintain their entire ecosystem

of access points, switches, and gateways through a single intuitive interface.

This switch is perfectly suited for surveillance networks and small business offices requiring reliable infrastructure. Its blend of high-speed data handling, straightforward management tools, and robust security features makes it a top choice for users who prioritize consistent and secure connectivity.

Tech Specs and Performance

- Switching Capacity:32 Gbps
- Packet Forwarding Rate:23.8 Mpps
- Jumbo Frame Support:Up to 15 KB
- MAC Address Table:8K entries
- Interface Ports:16 x 10/100/1000 Mbps RJ45 with Auto-Negotiation and Auto MDI/MDIX
- Quality of Service (QoS):Port-based, 802.1p, DSCP, 8 Priority Queues, WRR, and bandwidth control.
- L2Static Link Aggregation, Loop Prevention, Flow Control, and Port Mirroring.
- VLAN Support:MTU VLAN, Port-Based VLAN, and 802.1Q Tag VLAN with up to 32 groups.

The physical design includes a sturdy metal casing that supports both desktop placement and rackmount installation using the included brackets. It operates silently thanks to its fanless architecture and provides surge protection of +/-6kV for added safety against power fluctuations.

Environmental and Power Details

- Power Supply:100-240 V~50/60 Hz (Global compatibility)
- Dimensions:11.6 x 5.5 x 1.7 in (294 x 140 x 44 mm)
- Operating Temperature:-5degrees C to 50degreesC
- Storage Temperature:-40degrees C to 70degreesC
- Humidity Tolerance:10% to 90% non-condensing during operation

What's in the box

- TP-Link ES216G Switch (Model TP ES216G)
- Power Cord
- Rubber Feet for Desktop Stability
- Rackmount Brackets
- Screws for Installation
- Installation Guide

This product meets FCC, CE, and RoHS certification standards. For full management capabilities including cloud access and zero-touch provisioning, the switch requires an Omada Hardware Controller, Cloud-Based Controller, or Software Controller.

Specifications:

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Specifications	
Product Code	TP ES216G
HARDWARE FEATURES	
Interface	16 x 10/100/1000 Mbps RJ45 Ports
	Auto-Negotiation/Auto MDI/MDIX

Fan Quantity	Fanless
Installation	Desktop
	Rackmountable
Physical Security Lock	?
Power Supply	100-240 V~50/60 Hz
Dimensions (W x D x H)	11.6 x 5.5 x 1.7 in (294 x 140 x 44 mm)
Surge Protection	+/-6kV
PERFORMANCE	
Switching Capacity	32 Gbps
Packet Forwarding Rate	23.8 Mpps
MAC Address Table	8K
Packet Buffer Memory	4 Mbit
Jumbo Frame	15 KB
SOFTWARE FEATURES	
Quality of Service	Port-based/802.1p/DSCP QoS
	8 Priority Queues
	Priority Schedule Mode
	- WRR (Weighted Round Robin)
	Queue Weight Config
	Bandwidth Control
	- Port-Based Rating Limit
	Storm Control
	- Multiple Control Modes (kbps/pps)
	- Broadcast/Multicast/Unknown-Unicast Control?
L2 Features	Static Link Aggregation
	Loop Prevention / Loopback Detection
	Flow Control
	- 802.3x Flow Control
	Mirroring
	- Port Mirroring
	- One-to-One
	- Many-to-One
	- Ingress/Egress/Both
	Port Statistics
	- Port Mirror Status
	- Traffic Statistics
	802.1ab LLDP

L2 Multicast	IGMP Snooping
	- IGMP v1/v2/v3 Snooping
	- Fast Leave
VLAN	MTU VLAN
	Port-Based VLAN
	802.1Q Tag VLAN
	- Max 32 VLAN Groups
	- 4K VID
Transmission Method	Store-And-Forward
Management Features	
Omada App	Yes. Requires the use of Omada Hardware Controller, Omada Cloud-Based Controller, or Omada Software Controller.
Centralized Management	Omada Cloud-Based Controller
	Omada Hardware Controller
	Omada Software Controller
Cloud Access	Yes. Requires the use of Omada Hardware Controller, Omada Cloud-Based Controller, or Omada Software Controller.
Zero-Touch Provisioning	Yes. Requires the use of Omada Cloud-Based Controller
Management Features	Web-based GUI
	DHCP Client
	Cable Diagnostics
	Automatic Device Discovery
	Batch Configuration
	Batch Firmware Upgrading
	Unified Configuration
OTHERS	
Certification	FCC, CE, RoHS
Package Content	ES216G
	Power Cord
	Rubber Feet
	Mounting Brackets
	Screws
	Installation Guide
Environment	Operating Temperature: -5degreesC~50degreesC (23degreesF~122degreesF)
	Storage Temperature: -40degreesC~70degreesC (-40degreesF~158degreesF)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~90% non-condensing

FAQ

What type of network management does the TP-Link ES216G support?
The switch supports Omada Cloud Essentials for centralized, cloud-based management and remote monitoring.
It also works with Omada Hardware Controllers or Software Controllers for unified configuration and zero-touch provisioning.

Can I use this switch in a quiet office environment?
Yes, the TP-Link ES216G features a fanless design that ensures silent operation without generating noise.
This makes it ideal for offices, surveillance rooms, or any location where low noise is a priority.

Does the package include rackmount brackets?
Yes, the box includes mounting brackets and screws so you can easily install the switch in a standard rack.
The unit also comes with rubber feet for stable desktop placement if you prefer not to use a rack.

How does this switch handle video surveillance or VoIP traffic?
The ES216G uses Quality of Service (QoS) and traffic prioritization to ensure high-priority data like video or voice is handled first.
It also features IGMP Snooping to optimize multicast traffic for smoother streaming performance.

Is the switch compatible with standard Ethernet cables?
The device includes 16 Gigabit RJ45 ports that support auto-negotiation and auto MDI/MDIX for seamless connectivity.
You can connect up to 16 devices at speeds of 10, 100, or 1000 Mbps using standard Ethernet cabling.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/TP-ES216G-TP-Link-ES216G-Omada-16-port-Gigabit-Easy-Managed-Switch-p-342242.php

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