ComX Computers
Product Specification Sheet

ES210GMP

TP-Link Omada ES210GMP Gigabit Easy Managed Switch

Product Overview

TP Link Omada Gigabit Easy Managed Switch - 8 x Gigabit 802.3at/af PoE+RJ45 Ports, 1 x Gigabit RJ45 Port, 1 x Gigabit SFP/RJ45 Combo Port, 123W Power, Up to 30W Each PoE Port, Fanless, Desktop and Wall Mount Installation, 20Gbps Switching Capacity, 14.88Mbpps Packet Forwarding Rate, Centralized Management, Retail Box, 6 Month Warranty











Specifications

About this product

The TP-Link Omada ES210GMP Gigabit Easy Managed Switch is a network switching solution for small businesses, offices and IP surveillance systems. It features 8 x Gigabit PoE+ RJ45 ports, 1 x Gigabit RJ45 port and 1 x Gigabit SFP/RJ45 combo port, with a 123W PoE power budget and up to 30W per PoE port. Its 20Gbps switching capacity, centralized management support and silent fanless design make it suitable for connecting compatible IP cameras, wireless access points, IP phones and other network devices. Buy the TP-Link Omada ES210GMP online from our store in South Africa for efficient network connectivity.

Overview Summary

TP-Link Omada ES210GMP Gigabit Easy Managed PoE+ Switch

The TP-Link Omada ES210GMP is a 10-port Gigabit Easy Managed Switch designed to provide reliable wired connectivity and Power over Ethernet for compatible business network equipment. It includes 8 x 10/100/1000Mbps PoE+ RJ45 ports, 1 x Gigabit RJ45 port and 1 x Gigabit SFP/RJ45 combo port. The PoE+ ports support IEEE 802.3af and IEEE 802.3at devices, with up to 30W available per port and a combined PoE power budget of 123W.

With a 20Gbps switching capacity and a packet forwarding rate of 14.88Mpps, this switch supports data traffic across connected network devices. Centralized management capabilities help simplify network administration, while features such as VLAN, Quality of Service, IGMP Snooping and PoE Auto Recovery support practical business and surveillance deployments. The fanless design enables silent operation, and desktop or wall mounting provides installation flexibility.

Performance tier: Small business and professional Gigabit networking

Uses:IP camera networks, wireless access points, IP telephones, office networking, small business LANs, PoE device connectivity, surveillance systems

Overview

The TP-Link Omada Gigabit Easy Managed Switch is an 8-port PoE+ desktop/wall-mount switch with 1 additional Gigabit RJ45 port and 1 Gigabit SFP/RJ45 combo port, delivering up to 123 W total PoE budget (30 W max per port) and extended 250 m PoE transmission. It offers 20 Gbps switching capacity, 14.88 Mpps forwarding rate, 8K MAC table, 15 KB jumbo frames, and comprehensive L2 features including QoS, IGMP snooping, VLANs, link aggregation, and loop prevention. Managed via Omada controllers (cloud/hardware/software) or a web GUI, it supports centralized provisioning, batch configuration/firmware upgrades, cable diagnostics, and cloud access for scalable SMB and prosumer networks.

Description

The TP-Link Omada ES210GMP is a Gigabit Easy Managed Switch designed for small business networks, office installations and surveillance applications requiring wired connectivity and Power over Ethernet. It combines 10 Gigabit network interfaces with management features that help administrators organise and control connected devices.

Gigabit connectivity for network devices

The switch provides 8 x Gigabit PoE+ RJ45 ports, 1 x additional Gigabit RJ45 port and 1 x Gigabit SFP/RJ45 combo port. This configuration allows compatible computers, printers, wireless access points, IP phones and network cameras to connect through a single switching platform. The combo port provides an additional connection option through a compatible SFP interface or RJ45 Ethernet connection, subject to the port's supported configuration.

Power over Ethernet for simplified installation

The eight PoE+ ports support IEEE 802.3af and IEEE 802.3at standards. They can transmit network data and electrical power over a single Ethernet cable to compatible powered devices, helping reduce the need for separate power connections at each

device. The switch provides a total PoE power budget of 123W, with up to 30W per PoE port. Actual power availability across connected devices depends on their individual requirements and the combined power budget.

Network performance and management

A switching capacity of 20Gbps and a packet forwarding rate of 14.88Mpps provide the switching performance required for Gigabit network traffic. Centralized management support through the Omada ecosystem can help simplify monitoring and administration. Supported network features include VLAN, Quality of Service, IGMP Snooping, automatic loop prevention and PoE Auto Recovery, depending on the hardware revision and software configuration.

Quiet and flexible installation

The fanless design enables silent operation, making the ES210GMP suitable for offices and other environments where equipment noise should be kept low. Its desktop and wall mounting options allow it to be installed on a suitable work surface or mounted in an appropriate location. The compact housing helps accommodate network equipment in space-conscious installations.

For businesses looking to connect PoE-enabled equipment and manage a Gigabit Ethernet network, the TP-Link Omada ES210GMP offers a combination of wired connectivity, PoE power delivery and practical network management features.

Features

The TP-Link Omada ES210GMP combines Gigabit Ethernet connectivity, PoE+ power delivery and network management features for business and surveillance installations.

- 8 x Gigabit PoE+ RJ45 ports: Connect compatible Ethernet devices and provide power through the network cable.
- 1 x Gigabit RJ45 port: Provides an additional Gigabit Ethernet connection for a compatible network device.
- 1 x Gigabit SFP/RJ45 combo port: Offers a flexible uplink connection through a supported SFP interface or RJ45 Ethernet connection.
- 123W PoE power budget: Supplies a combined power budget of 123W across the PoE ports.
- Up to 30W per PoE port: Supports compatible PoE and PoE+ powered devices within the switch's power limits.
- IEEE 802.3af and 802.3at support: Provides compatibility with supported PoE and PoE+ equipment.
- 20Gbps switching capacity: Provides switching capacity for Gigabit network traffic.
- 14.88Mpps packet forwarding rate: Supports the forwarding of network packets across connected devices.
- Centralized management: Supports management through the Omada ecosystem, subject to compatible software and configuration.
- VLAN support: Helps separate network traffic into logical network segments.
- Quality of Service: Supports traffic prioritisation to help manage network traffic according to configured rules.
- IGMP Snooping: Helps manage multicast traffic on supported networks.
- PoE Auto Recovery: Supports automatic recovery of compatible PoE devices when the relevant feature is enabled.
- Automatic loop prevention: Helps protect network operation against supported network loop conditions.
- Fanless operation: Operates without a cooling fan for silent performance.
- Desktop and wall mounting: Offers flexible installation options for different network environments.

What's in the Box

- 1 x TP-Link Omada ES210GMP Gigabit Easy Managed Switch
- 1 x Power adapter
- 1 x Installation guide or product documentation, subject to the supplied retail packaging

Retail box packaging. Confirm the final included accessories against the supplied product package.

Specifications

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Specifications	
Product Code	ES210GMP
HARDWARE FEATURES	
Interface	8x 10/100/1000 Mbps PoE+ RJ45 Ports (support 802.3at PoE+ and 802.3af PoE)
	1x 10/100/1000 Mbps RJ45 Port
	1x Gigabit SFP/RJ45 Combo Port
	Auto-Negotiation/Auto MDI/MDIX
Fan Quantity	Fanless
Installation	Desktop
	Wall Mount
Physical Security Lock	Yes
Power Supply	DC Power Adapter (Output: 53.5 VDC/ 2.43 A)
PoE Ports (RJ45)	Standard: 802.3af PoE and 802.3at PoE+ compliant
	PoE Ports: 8 ports
	PoE Budget: 123W available for all PoE+ ports, 30W max per port
	PoE Auto Recovery
	Up to 250m PoE transmission distance
Dimensions (W x D x H)	8.2x4.9x1.0 in (209x126x26 mm)
Surge Protection	+/-6kV
PERFORMANCE	
Switching Capacity	20 Gbps
Packet Forwarding Rate	14.88 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	ES210GMP
	Power Adapter
	Installation Guide
	Rubber Feet
Environment	Operating Temperature: 0degreesC~40degreesC (32degreesF~104degreesF)
	Storage Temperature: -40degreesC~70degreesC (-40degreesF~158degreesF)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~90% non-condensing

FAQ

What is the TP-Link Omada ES210GMP used for?

The TP-Link Omada ES210GMP connects Gigabit Ethernet devices in small businesses, offices and surveillance networks. It is suitable for compatible IP cameras, wireless access points, IP phones and other wired network devices.

How many PoE ports does the ES210GMP have?

The switch has 8 x Gigabit PoE+ RJ45 ports, 1 x additional Gigabit RJ45 port and 1 x Gigabit SFP/RJ45 combo port.

What is the PoE power budget of the TP-Link ES210GMP?

The switch has a combined PoE power budget of 123W and supports up to 30W per PoE port. The total power supplied to all connected devices must remain within the available power budget.

Which PoE devices are compatible with the ES210GMP?

The switch supports compatible IEEE 802.3af PoE and IEEE 802.3at PoE+ devices, including supported IP cameras, access points and IP phones. Check the power requirements and standards of each device before connecting it.

Does the TP-Link ES210GMP support Gigabit Ethernet?

Yes. All 10 network interfaces are Gigabit-class connections, including the 8 PoE+ RJ45 ports, the additional RJ45 port and the SFP/RJ45 combo port.

Can the ES210GMP be managed centrally?

Yes. The ES210GMP supports centralized management through the Omada ecosystem. Available management features depend on the hardware revision, compatible management platform and network configuration.

Does the TP-Link ES210GMP have a cooling fan?

No. The ES210GMP uses a fanless design, allowing it to operate silently without a cooling fan.

Can the ES210GMP be wall mounted?

Yes. The switch supports desktop and wall mounting, allowing it to be installed in suitable office and network equipment locations.

What is the switching capacity of the ES210GMP?

The TP-Link Omada ES210GMP has a switching capacity of 20Gbps and a packet forwarding rate of 14.88Mpps.

Does the ES210GMP support SFP connections?

Yes. It includes 1 x Gigabit SFP/RJ45 combo port. This shared interface supports a compatible SFP connection or RJ45 Ethernet connection, subject to the port's configuration.

What should I check before buying the ES210GMP?

Confirm that the switch has the required port types, that connected devices support compatible Ethernet and PoE standards, and that their combined power requirements fit within the 123W PoE budget. Check the supplied warranty terms and retail box contents before purchase.

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/ES210GMP-TP-Link-Omada-ES210GMP-Gigabit-Easy-Managed-Switch-p-341739.php

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