

Switch Gestionado / 5 Puertos Gigabit / 4 Puertos PoE+ / 65W / Cloud SDN / Sin Ventiladores

SKU: ES205GP Marca: TP-LINK Categoría: Switches

Garantía: 3 años

$871.76

Precios con IVA incluido

DESCRIPCIÓN

El ES205GP es un switch gestionado de 5 puertos Gigabit con 4 puertos PoE+ 802.3at/af que ofrece un presupuesto de potencia total de 65W, soportando hasta 30W por puerto. Diseñado para integrarse con la plataforma Omada SDN, permite gestión centralizada en la nube mediante controlador hardware, software o cloud-based. Incluye funciones avanzadas como QoS, VLAN, IGMP snooping, detección automática de bucles y recuperación automática de PoE. Su diseño sin ventiladores garantiza operación silenciosa, resultando ideal para entornos de oficina y sistemas de vigilancia donde se requiere alimentación PoE para cámaras IP y puntos de acceso.

Características Generales
5 puertos RJ45 10/100/1000 Mbps (4 puertos PoE+)
Presupuesto de potencia PoE total: 65W
Potencia PoE+ por puerto: hasta 30W
Capacidad de switching: 10 Gbps
Tasa de reenvío de paquetes: 7.4 Mpps
Transmisión PoE extendida: hasta 250 m (820.2 ft)
Gestión centralizada Omada SDN (hardware, software o cloud)
QoS, VLAN, IGMP snooping
Detección automática de bucles
Auto-recuperación de puertos PoE
Diseño fanless (sin ventiladores)
Carcasa metálica robusta

Desempeño
Capacidad de switching: 10 Gbps
Tasa de reenvío: 7.4 Mpps
Puertos: 5× Gigabit RJ45
PoE+ 802.3at/af: 4 puertos
Potencia máxima por puerto: 30W
Presupuesto PoE total: 65W
Alcance PoE extendido: 250 m (820.2 ft)

Físicas / Eléctricas
Diseño sin ventiladores (fanless)
Carcasa metálica robusta
Operación silenciosa

Gestión y Funciones
Omada SDN: hardware, software o cloud
QoS y VLAN
IGMP snooping
Detección automática de bucles
Auto-recuperación de puertos PoE

ESPECIFICACIONES

Característica 1	**Gestión centralizada en la nube mediante plataforma Omada SDN**
Característica 2	**Alimentación PoE+ hasta 30W por puerto con auto-recuperación**
Característica 3	**Operación silenciosa sin ventiladores para entornos sensibles al ruido**
Característica 4	**Transmisión PoE extendida hasta 250 m (820.2 ft) con QoS y VLAN**
Característica 5	**Detección automática de bucles para mayor estabilidad de red**
Característica 6	**Capacidad de switching 10 Gbps con tasa de reenvío 7.4 Mpps**

MEMORIA TÉCNICA · ES205GP

Número de parte de esta ficha: ES205GP. La información corresponde a esta variante.

ES205GP
Omada 5-Port Gigabit Easy Managed Switch with 4-Port PoE+
Omada Easy Managed Switch | Datasheet
- 5× 10/100/1000Mbps RJ45 ports (4× 802.3at/af-compliant PoE+)
- 65W Power Budget, with up to 30W for each PoE port*
- Easy to Use: Supports plug-and-play for instant connectivity and simple configuration for additional features
- Centralized Cloud Management via the web or the Omada app
†
- Up to 250m PoE**, QoS
△
, PoE Auto Recovery
‡
, and Port Isolation for reliable surveillance networking
- Automatic Loop Prevention, VLAN, and IGMP Snooping
- Fanless design for silent operation
- Durable metal casing and desktop/wall mounting design
Highlights
- Product Pictures

Omada’s Software Defined Networking (SDN) platform integrates network devices, including access points, switches, and gateways, providing 100% centralized cloud management. Omada creates a highly scalable network—all controlled from a single interface.
Omada Solution
Hassle-Free Cloud or
On-Premises Controllers
Multi-Site Cloud Management
Zero-Touch Provisioning (ZTP)
†
Intelligent Monitoring
99.8 mm
98 mm
25 mm
4 ? Gigabit RJ45 ports with PoE+1 ? Gigabit RJ45 port
- Specifications
Hardware Features & Performance
Model ES205GP
General
Interface 5 10/100/1000Mbps RJ45 Ports
Flash 64 Mbit
Port Standard
IEEE 802.3i:10BASE-T Ethernet;
IEEE 802.3u:100BASE-X Fast Ethernet;
IEEE 802.3ab:1000BASE-T Gigabit Ethernet;
IEEE 802.3x: Flow Control
IEEE 802.1p: Traffic Class Expediting and Dynamic Multicast Filtering
IEEE 802.1q: Virtual Bridged Local Area Networks
PoE
PoE Standard 802.3af/at
PoE Ports 4, up to 30 W /per port
PoE Power Budget 65 W
Performance
Switching Capacity 10 Gbps
Packet Forwarding Rate 7.4 Mpps
MAC Address Table 8K
Packet Buffer 4 Mbit
Transmission Method Store and Forward
Jumbo Frame 15 KB
Physical &
Environment
Power Supply 53.5 VDC / 1.31A
Surge Protection ±6 kV in common mode for Ethernet Ports
ESD Protection Air: ±8 kV, Contact: ±4 kV
MTBF 559597h @ 25°C
Dimensions
(W x D x H)
3.9 × 3.9 × 1.0 in (99.8 × 98 × 25 mm)
Fan Quantity Fanless
Installation Desktop/Wall-Mounting
Operating Temperature 0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature -40 °C to 70 °C (-40 °F to 158 °F)
Operation Humidity 10% to 90% RH, non-condensing
Storage Humidity 5% to 90% RH, non-condensing
Certification CE, FCC, RoHS
- Software Features
Model ES205GP
SDN Support
- Support Hardware Controller, Software Controller, Cloud-Based Controller
- Automatic Device Discovery
- Batch Configuration
- Batch Firmware Upgrading
- Unified Configuration
L2 Features
- Link Aggregation
- Static Link Aggregation
- Up to 2 aggregation groups and up to 4 ports per group
- 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
QoS
- 802.1p DSCP Priority
- 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
Management
- Web-based GUI
- DHCP Client
- Cable Diagnostics
- Ordering Information
Host Switch
Model Description
ES205GP Omada 5-Port Gigabit Easy Managed Switch with 4-Port PoE+
MC Series Media Converter

Model Description

MC210CS Gigabit Single-Mode Media Converter, up to 20 km, chassis mountable

MC200CM Gigabit multi-mode SC SFP Transceiver, up to 550 m, chassis mountable

MC200L Gigabit SFP slot supporting mini-GBIC modules, chassis mountable

MC1400 14-slot power supply chassis for TP-LINK MC Series Media Converter, 19-inch rack-mountable

FC Series Media Converter

Model Description

FC111A-20 100Mbps Single-Mode WDM Media Converter, up to 20 km, TX:1550nm, RX:1310nm, chassis mountable

FC111B-20 100Mbps Single-Mode WDM Media Converter, up to 20 km, TX:1310nm, RX:1550nm, chassis mountable

FC311A-2 Gigabit Single-Mode WDM Media Converter, up to 2 km, TX:1550nm, RX:1310nm, chassis mountable

FC311B-2 Gigabit Single-Mode WDM Media Converter, up to 2 km, TX:1310nm, RX:1550nm, chassis mountable

FC311A-20 Gigabit Single-Mode WDM Media Converter, up to 20 km, TX:1550nm, RX:1310nm, chassis mountable

FC311B-20 Gigabit Single-Mode WDM Media Converter, up to 20 km, TX:1310nm, RX:1550nm, chassis mountable

FC1400 14-slot power supply chassis for TP-LINK FC Series Media Converter, 19-inch rack-mountable

†

These functions require the use of the Omada SDN Controller. Zero-Touch Provisioning requires the use of the Omada Cloud-Based Controller. Go to the Omada Cloud-Based Controller Product List to find all the models supported by the Omada Cloud-Based Controller.

‡

This switch supports PoE Auto Recovery under Standalone Mode (managed separately without a controller) and supports manual PoE Recovery under Controller Mode (centrally managed with a controller).

△

QoS and Priority Mode are supported under Standalone Mode.

*PoE budget calculations are based on laboratory testing. The actual PoE power budget is not guaranteed and will vary due to client limitations and environmental factors.

**The speed of the ports that support 250m PoE transmission will be downgraded to 10 Mbps. Actual transmission distance may vary depending on the quality of the cables.

Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information:

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