

Switch Gigabit / 6 Puertos / 4 PoE+ 65W / Gestión Cloud SDN / Fanless / Alcance PoE 250 m (820.2 ft) / QoS y VLAN

SKU: ES206GP Marca: TP-LINK Categoría: Switches PoE

Garantía: 3 años

$990.63

Precios con IVA incluido

DESCRIPCIÓN

El switch Omada ES206GP es un dispositivo de red empresarial de 6 puertos Gigabit con 4 puertos PoE+ compatibles con estándares IEEE 802.3af/at y presupuesto de potencia de 65W. Diseñado para integración en la solución SDN Omada, permite gestión centralizada mediante controladores hardware, software o en la nube. Su arquitectura fanless garantiza operación completamente silenciosa, mientras que la función de extensión PoE habilita transmisión de datos y alimentación hasta 250 m (820.2 ft) a 10 Mbps. Incluye funciones avanzadas de red como QoS, VLAN, IGMP Snooping y detección automática de loops, orientado a implementaciones de vigilancia IP, oficinas pequeñas y despliegues de access points.

Características Generales
6 puertos Gigabit Ethernet (10/100/1000 Mbps)
4 puertos PoE+ con estándares IEEE 802.3af/at
Presupuesto total de potencia PoE: 65W
Capacidad de switching: 12 Gbps
Tasa de reenvío: 8.9 Mpps
Tabla de direcciones MAC: 4K
Jumbo Frame: 9KB
Diseño fanless (sin ventiladores)
Gestión Omada SDN: controlador cloud, hardware (OC300/OC200) o software
Extensión PoE hasta 250 m (820.2 ft) a 10 Mbps (modo VLAN aislada)
QoS: priorización 802.1p y DSCP
VLAN: 802.1Q Tag VLAN, VLAN de puerto, VLAN de voz
IGMP Snooping v1/v2/v3
Detección automática de loops
Control de tormenta de broadcast/multicast/unknown unicast
Port Mirroring
Cable Diagnostics
Actualización firmware vía web o Omada Controller

Desempeño de Red
Capacidad de switching: 12 Gbps
Tasa de reenvío: 8.9 Mpps
Tabla MAC: 4K entradas
Jumbo Frame: 9KB
Modo Store-and-Forward

Especificaciones Físicas y Eléctricas
Dimensiones: 158 × 100 × 25 mm
Alimentación: 100-240V AC, 50/60 Hz
Consumo máximo: 73.8W
Presupuesto PoE: 65W total
PoE por puerto: hasta 30W (802.3at)
Temperatura operación: 0°C a 40°C
Humedad operación: 10% a 90% RH no condensante
Certificaciones: FCC, CE, RoHS

Contenido del Paquete
Switch Omada ES206GP
Cable de alimentación AC
Kit de montaje en pared
Guía de instalación rápida

ESPECIFICACIONES

Característica 1	**Gestión centralizada vía cloud, hardware o software Omada SDN**
Característica 2	**Transmisión PoE hasta 250 m (820.2 ft) a 10 Mbps para cámaras remotas**
Característica 3	**Operación silenciosa sin ventiladores para espacios sensibles al ruido**
Característica 4	**Detección automática de loops para protección de red**
Característica 5	**Presupuesto PoE+ 65W con estándares 802.3af/at para múltiples dispositivos**
Característica 6	**Capacidad de switching 12 Gbps sin cuellos de botella en tráfico**

MEMORIA TÉCNICA · ES206GP

Número de parte de esta ficha: ES206GP. La información corresponde a esta variante.

ES206GP
Omada 6-Port Gigabit Easy Managed Switch with 4-Port PoE+
Omada Easy Managed Switch | Datasheet
- 6× 10/100/1000Mbps RJ45 ports (4× 802.3af/at-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
- 158 mm
100.7 mm
25.4 mm
4 ? Gigabit PoE+
RJ45 Ports
2? Gigabit
RJ45 Ports
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
Omada
VPN Gateway
Hassle-Free Cloud or
On-Premises Controllers
Multi-Site Cloud Management
Zero-Touch Provisioning (ZTP)
†
Intelligent Monitoring
- Specifications
Hardware Features & Performance
Model ES206GP
General
Interface
4× 10/100/1000 Mbps PoE+ RJ45 Ports
2× 10/100/1000 Mbps 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
IEEE 802.1ab: Station and Media Access Control Connectivity Discovery (LLDP)
PoE
PoE Standard 802.3af/at
PoE Ports 4, up to 30 W per port
PoE Power Budget 65 W
Fast PoE YES
Perpetual PoE YES
Performance
Switching Capacity 12 Gbps
Packet Forwarding Rate 8.93 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/1.31 A
Max Power Consumption 76.6 W (110V/60Hz) (with 65 W PD connected)
Max Heat Dissipation 260.44 BTU/hr (110 V/60 Hz) (with 65 W PD connected)
Standby Power Consumption 2.9 W (110V/60 Hz)
Surge Protection ±6 kV in differential mode, ±6 kV in common mode for Ethernet Ports
ESD Protection Air: ±8 kV, Contact: ±4 kV
MTBF 390422h @ 25°C
Dimensions (W x D x H) 6.2×4.0×1.0 in (158×100.7×25.4 mm)
Fan Quantity Fanless
Installation Desktop/Wall Mount
Operating Temperature -5 °C to 40 °C (23 °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 ES206GP
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

ES206GP Omada 6-Port Gigabit Easy Managed Switch with 4-Port PoE+

†

Centralized cloud management 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.

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MC Series Media Converter

Model Description

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

MC200CM Gigabit Multi-Mode Media Converter, up to 550 m, chassis mountable

MC220L Gigabit SFP Media Converter, chassis 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