Omada Easy Managed Switch | Datasheet

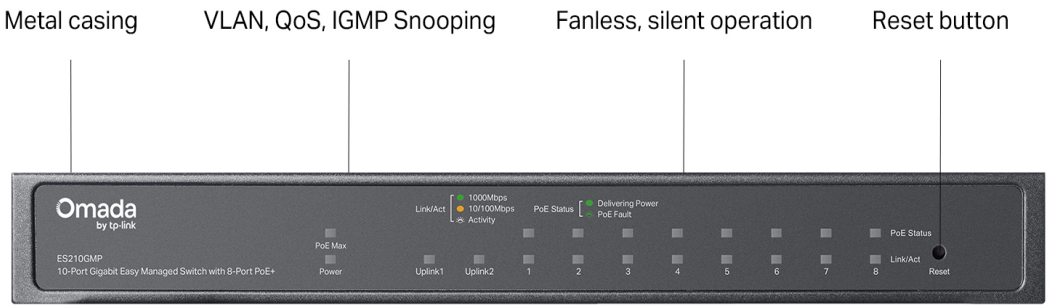
ES210GMP

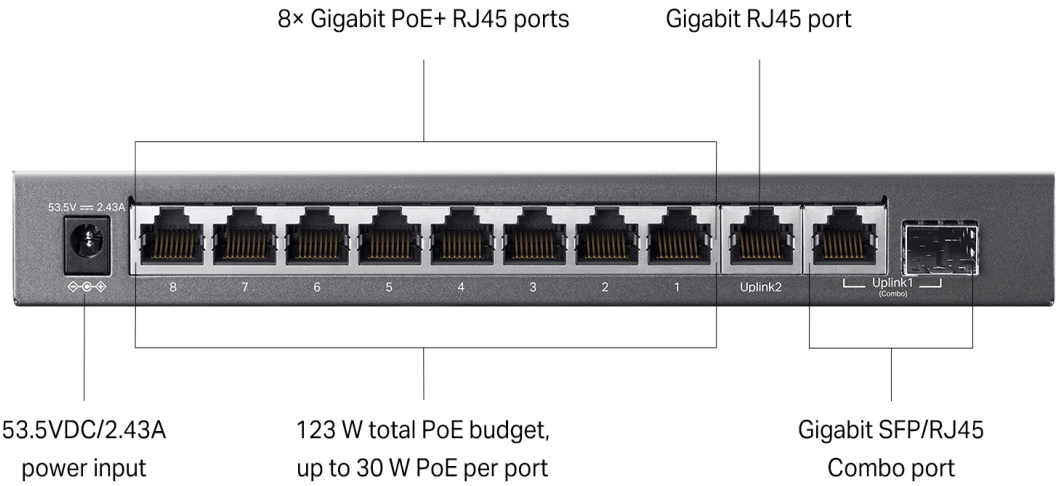
Omada 10-Port Gigabit Easy Managed Switch with 8-Port PoE+

Highlights

- 9× 10/100/1000Mbps RJ45 ports (8× 802.3af/at-compliant PoE+)
- 1× Gigabit SFP/RJ45 Combo port
- 123W 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

Product Pictures





Specifications

Hardware Features & Performance		
Model		ES210GMP
General	Interface	8× 10/100/1000 Mbps PoE+ RJ45 Ports 1× 10/100/1000 Mbps RJ45 Port 1× Gigabit SFP/RJ45 Combo Port
	Flash	64 Mbit
	Port Standard	IEEE 802.3: Ethernet Media Access Control (MAC) Protocol 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	8, up to 30 W per port
	PoE Power Budget	123 W
	Fast PoE	YES
	Perpetual PoE	YES
Performance	Switching Capacity	20 Gbps
	Packet Forwarding Rate	14.88 Mpps
	MAC Address Table	8K
	Packet Buffer	4 Mbit
	Transmission Method	Store and Forward
	Jumbo Frame	15 KB
Physical & Environment	Power Supply	AC/DC Adapter (Input: 100-240V AC; Output: 53.5VDC / 2.43A)
	Standby Power Consumption	3.41 W (110V/60 Hz)
	Max Power Consumption	141.46 W (220V/50Hz) (with 123 W PD connected)
	Max Heat Dissipation	480.96 BTU/hr (220V/50Hz) (with 123 W PD connected)
	MTBF	411681h @ 25°C
	Dimensions (W x D x H)	8.2 × 4.9 × 1.0 in (209 × 126 × 26 mm)
	Net Weight	0.356 kg (0.785 lbs)
	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
	Surge Protection	±6 kV in common mode for Ethernet Ports
	ESD Protection	Air: ±8 kV, Contact: ±4 kV
	Certification	CE, FCC, RoHS

Software Features	
Model	ES210GMP
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 4 aggregation groups and up to 6 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	• 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
Management Features	• Web-based GUI • DHCP Client • Cable Diagnostics

†These functions require the use of the Omada Controller. Zero-Touch Provisioning requires the use of the Omada Cloud-Based Controller (Omada Cloud Standard or Omada Cloud Essentials). Go to the Omada Cloud-Based Controller (Omada Cloud Standard) Product List or Omada Cloud Essentials Product List to find all the supported models.

‡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.