Omada Easy Managed Switch | Datasheet

ES208G

Omada 8-Port Gigabit Easy Managed Switch



Highlights

- 8× 10/100/1000Mbps RJ45 ports
- 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†
- VLAN, Port Isolation, Cable Test$^{\Delta}$, QoS$^{\Delta}$ for reliable surveillance networking
- Automatic Loop Prevention and IGMP Snooping
- Fanless design for silent operation
- Durable metal casing and desktop/wall mounting design

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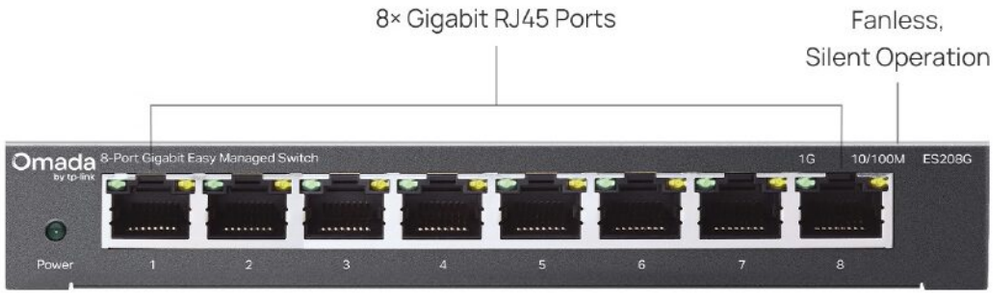
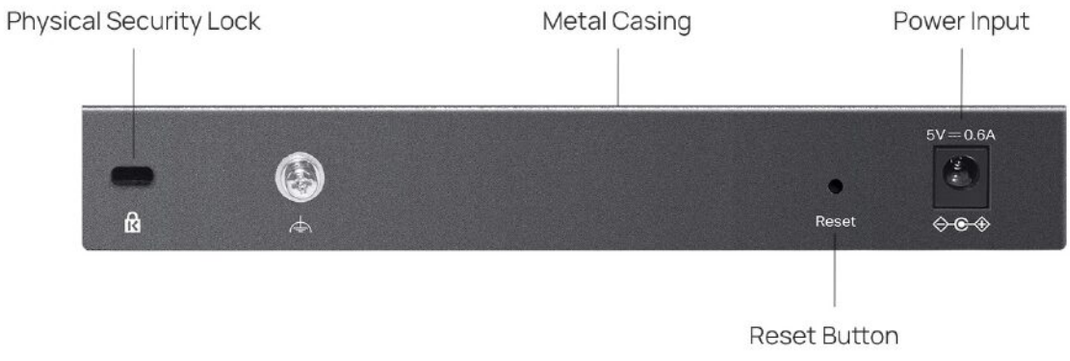
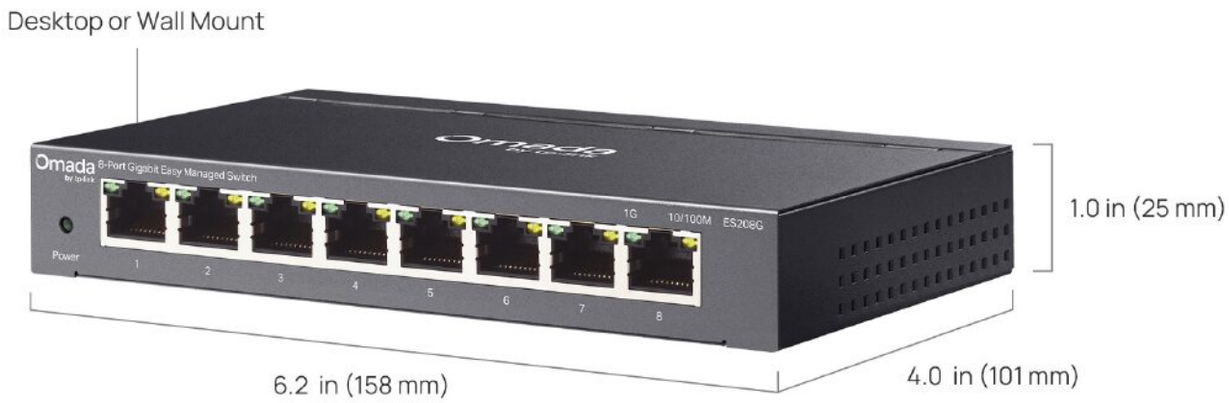
Product Pictures







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Specifications

Hardware Features & Performance		
Model		ES208G
General	Interface	8 × 10/100/1000 Mbps RJ45 Ports
	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)
Performance	Switching Capacity	16 Gbps
	Packet Forwarding Rate	11.9 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: 5VDC / 0.6A)
	Standby Power Consumption	0.871 W (110V/60 Hz)
	Max Power Consumption	2.679 W (220V/50Hz)
	Max Heat Dissipation	9.11 BTU/hr (220V/50Hz)
	MTBF	1141726h @ 25°C
	Dimensions (W x D x H)	6.2 × 4.0 × 1.0 in (158 × 100.7 × 25.4 mm)
	Weight	0.39 kg (0.85 lbs) (Adapter Included)
	Fan Quantity	Fanless
	Installation	Desktop / Wall Mounting
	Operating Temperature	-5 °C to 45 °C (23 °F to 113 °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

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Software Features	
Model	ES208G
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 • Port Isolation • 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 • IEEE 802.3az EEE
L2 Multicast	• IGMP Snooping - IGMP v1/v2/v3 Snooping - Fast Leave / Report Suppression
VLAN	• 802.1Q Tag VLAN - Max 32 VLAN Groups - 4K VID
QoS	• Port-based/802.1p/DSCP QoS$^{\Delta}$ • 8 Priority Queues • Priority Schedule Mode - Weighted Round Robin (WRR) • Queue Weight Config • Bandwidth Control - Port-Based Rating Limit • Storm Control - Multiple Control Modes (kbps/pps) - Broadcast/Multicast/Unknown-Unicast Control
Management Features	• HTTPS/HTTP • DHCP Client • Cable Diagnostics • ONVIF***

†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.

$^{\Delta}$Port-based/802.1p/DSCP QoS are supported under Standalone Mode. QoS Rule is supported under Controller mode.

***ONVIF is supported only in Controller mode.

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