

Omada Easy Managed Switch | Datasheet

ES216G

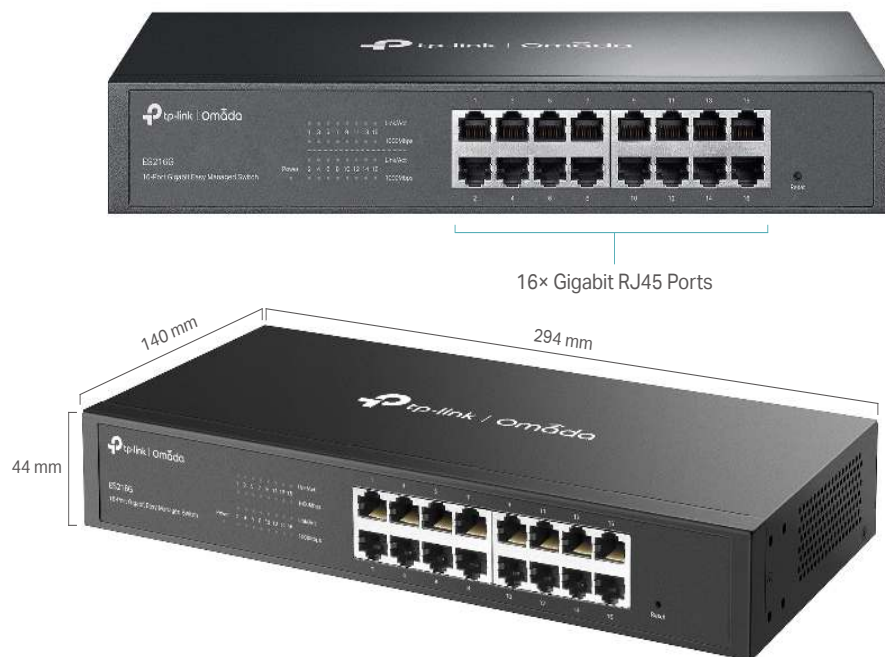
Omada 16-Port Gigabit Easy Managed Switch



Highlights

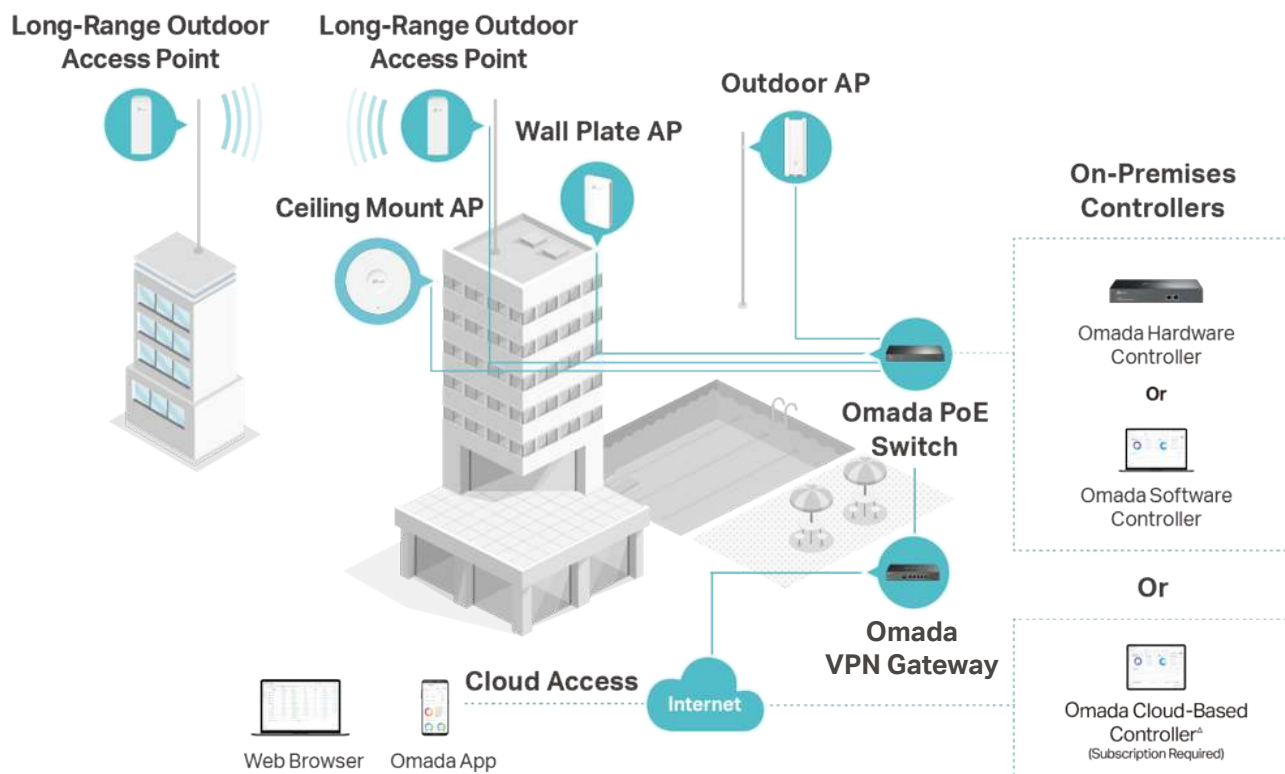
- 16× 10/100/1000Mbps RJ45 ports
- Easy to Use: Supports plug-and-play for instant connectivity and simple configuration for additional features
- Centralized Cloud Management via the web or the Omada app[†]
- VLAN, Port Isolation, Cable Test^Δ, QoS^Δ for reliable surveillance networking
- Automatic Loop Prevention and IGMP Snooping
- Fanless design for silent operation
- Durable metal casing and desktop/rack mounting design

Product Pictures



Omada Solution

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.



Hassle-Free Cloud or On-Premises Controllers



Multi-Site Cloud Management



Zero-Touch Provisioning (ZTP)[†]



Intelligent Monitoring

Specifications

Hardware Features & Performance		
Model		ES216G
General	Interface	16× 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)
Performance	Switching Capacity	32 Gbps
	Packet Forwarding Rate	23.8 Mpps
	MAC Address Table	8K
	Packet Buffer	4 Mbit
	Transmission Method	Store and Forward
	Jumbo Frame	15 KB
Physical & Environment	Power Supply	100-240V~50/60Hz
	Max Power Consumption	8.4 W (110V/60Hz)
	Max Heat Dissipation	28.52 BTU/hr (110 V/60 Hz)
	Standby Power Consumption	4.2 W (110V/60 Hz)
	Surge Protection	±6 kV in common mode for Ethernet Ports
	ESD Protection	Air: ±8 kV, Contact: ±4 kV
	MTBF	2131140h @ 25°C
	Dimensions (W x D x H)	11.6 × 5.4 × 1.7 in (294×140×44 mm)
	Fan Quantity	Fanless
	Installation	Desktop/Rackmountable
	Operating Temperature	-5 °C to 50 °C (23 °F to 122 °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	ES216G
SDN Support	<ul style="list-style-type: none">• Support Hardware Controller, Software Controller, Cloud-Based Controller• Automatic Device Discovery• Batch Configuration• Batch Firmware Upgrading• Unified Configuration
L2 Features	<ul style="list-style-type: none">• Link Aggregation<ul style="list-style-type: none">- Static Link Aggregation- Up to 4 aggregation groups and up to 8 ports per group• Loopback Detection• Flow Control<ul style="list-style-type: none">- 802.3x Flow Control• Mirroring<ul style="list-style-type: none">- Port Mirroring- One-to-One- Many-to-One- Ingress/Egress/Both• Port Statistics<ul style="list-style-type: none">- Port Mirror Status- Traffic Statistics• 802.1ab LLDP
L2 Multicast	<ul style="list-style-type: none">• IGMP Snooping<ul style="list-style-type: none">- IGMP v1/v2/v3 Snooping- Fast Leave
VLAN	<ul style="list-style-type: none">• MTU VLAN• Port-Based VLAN• 802.1Q Tag VLAN<ul style="list-style-type: none">- Max 32 VLAN Groups- 4K VID
QoS	<ul style="list-style-type: none">• 802.1p DSCP Priority• 8 Priority Queues• Priority Schedule Mode<ul style="list-style-type: none">- WRR (Weighted Round Robin)• Queue Weight Config• Bandwidth Control<ul style="list-style-type: none">- Port-Based Rating Limit• Storm Control<ul style="list-style-type: none">- Multiple Control Modes (kbps/pps)- Broadcast/Multicast/Unknown-Unicast Control
Management	<ul style="list-style-type: none">• Web-based GUI• DHCP Client• Cable Diagnostics

Ordering Information

Host Switch

Model	Description
ES216G	Omada 16-Port Gigabit Easy Managed Switch

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

[†]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.

[△]Cable Test and Port Qos are supported under Standalone Mode.