Omada Easy Managed Switch | Datasheet

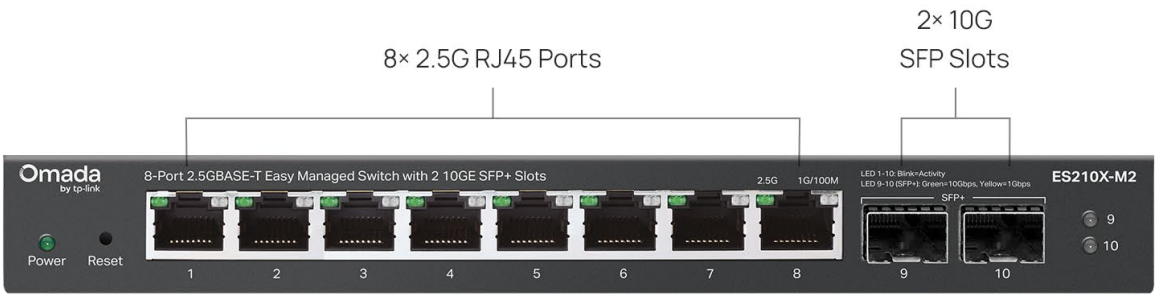
ES210X-M2

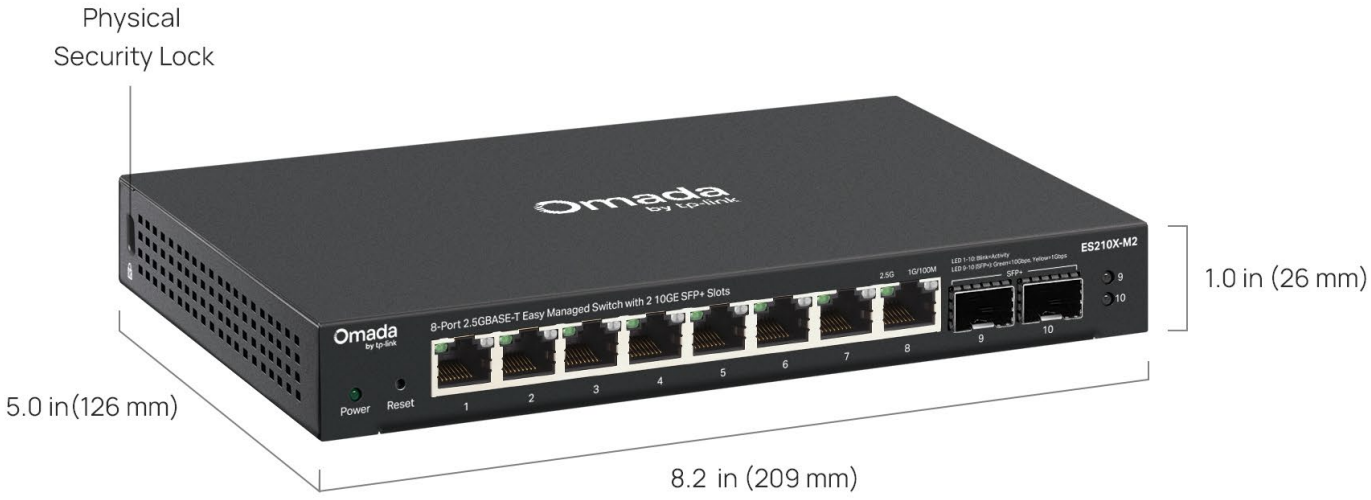
Omada 8-Port 2.5GBASE-T Easy Managed Switch with 2 10GE SFP+ Slots

Highlights

- 8× 2.5 Gbps RJ45 Ports
- 2× 10 Gbps SFP+ Slots
- 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△, QoS△ for reliable networking
- Automatic Loop Prevention and IGMP Snooping
- Fanless design for silent operation
- Durable metal casing and desktop/wall mounting design

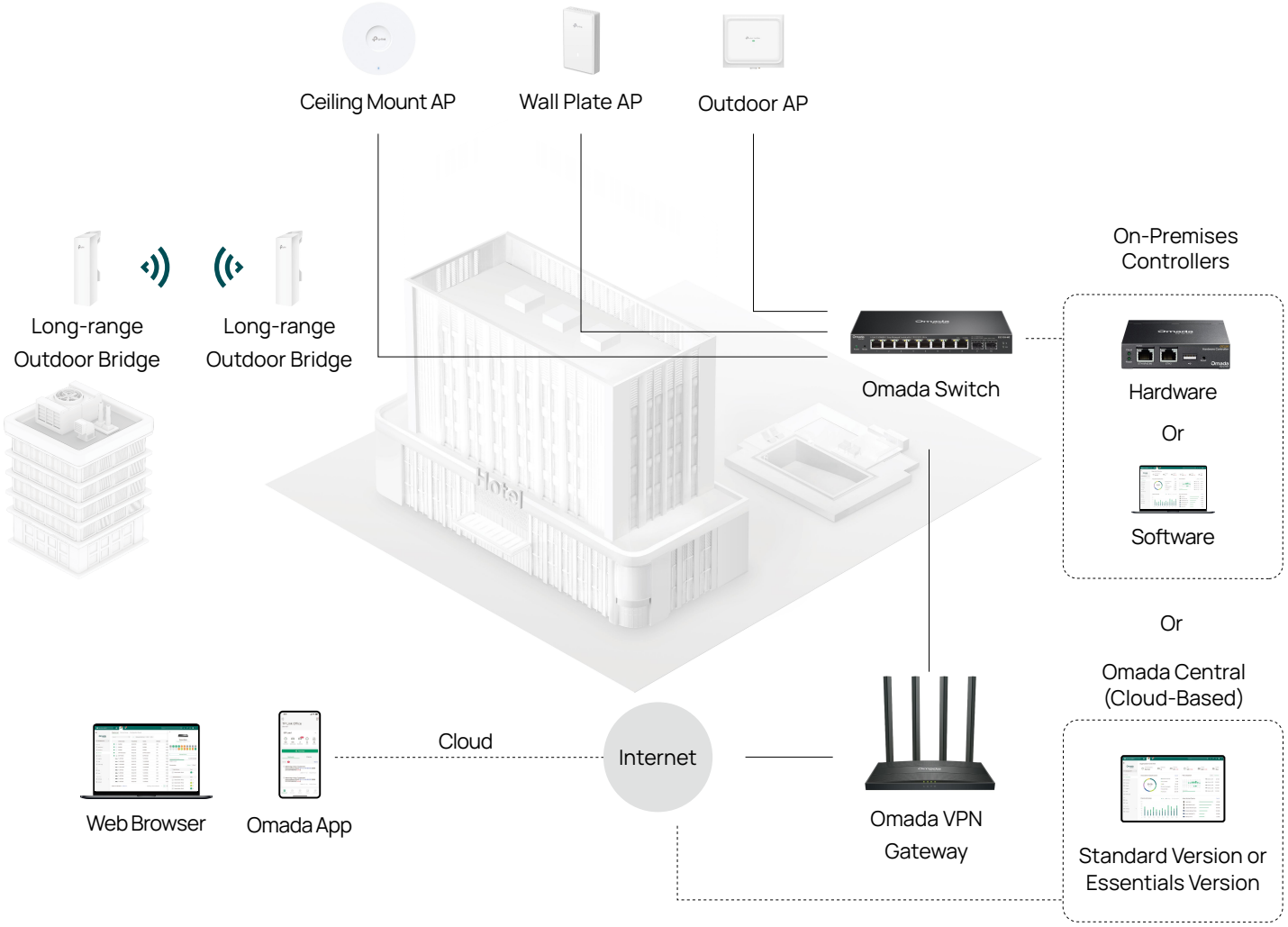
Product Pictures





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

Zero-Touch Provisioning (ZTP)†

Multi-Site Cloud Management

Intelligent Monitoring

Specifications

Hardware Features & Performance		
Model		ES210X-M2
General	Interface	8× 100 Mbps/1Gbps/2.5Gbps RJ45 Ports 2× 10 Gbps SFP+ Slots
	Flash	64 Mbit
	Port Standard	IEEE 802.3: Ethernet Media Access Control (MAC) Protocol IEEE 802.3u:100BASE-X Fast Ethernet IEEE 802.3ab:1000BASE-T Gigabit Ethernet IEEE 802.3bz: 2.5GBASE-T Ethernet IEEE 802.3z: 1000BASE-X Gigabit Ethernet (Optical fiber) IEEE 802.3ae:10GBASE-SR/LR 10G Ethernet (Optical fiber) IEEE 802.3aq:10GBASE-LRM 10G Ethernet (Optical fiber) 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	80 Gbps
	Packet Forwarding Rate	59.52 Mpps
	MAC Address Table	16K
	Packet Buffer	640 KB
	Transmission Method	Store and Forward
	Jumbo Frame	10 KB
Physical & Environment	Power Supply	AC/DC Adapter (Input: 100-240V AC; Output: 12VDC / 1.5A)
	Standby Power Consumption	1.98 W (110V/60Hz)
	Max Power Consumption	8.38 W (110V/60Hz)
	Max Heat Dissipation	28.59 BTU/hr (110V/60Hz)
	MTBF	1424624 h @ 25°C
	Dimensions (W x D x H)	8.2 × 5.0 × 1.0 in (209 × 126 × 26 mm)
	Net Weight	0.71 kg (1.57 lbs)
	Fan Quantity	Fanless
	Installation	Desktop / Wall Mounting
	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
	Surge Protection	±6 kV in common mode for Ethernet ports ±2 kV in differential mode for DC power input port
	ESD Protection	Air: ±8 kV, Contact: ±4 kV
	Certification	CE, FCC, RoHS

Software Features	
Model	ES210X-M2
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 6 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 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.

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