

ES220GP

Omada 20-Port Gigabit Easy Managed Switch with 16-Port PoE+

- 18× 10/100/1000Mbps RJ45 ports (16× 802.3af/at-compliant PoE+)
- 2× Gigabit SFP Slots
- 150W PoE 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 820ft PoE**, Remote Camera Reboot†, QoS, and Port Isolation for reliable surveillance networking
- Automatic Loop Prevention, VLAN, and IGMP Snooping
- Fanless design for silent operation

HARDWARE FEATURES	
Interface	• 18× 10/100/1000 Mbps PoE+ RJ45 Ports (16× 802.3af/at-compliant PoE+) • 2× Gigabit SFP Slots • Auto-Negotiation/Auto MDI/MDIX
Fan Quantity	Fanless
Installation	Desktop/Rackmount
Physical Security Lock	√
Power Supply	100–240V AC, 50/60Hz 2.5A
PoE Ports (RJ45)	• Standard: 802.3af PoE and 802.3at PoE+ compliant • PoE Ports: 16 Ports • PoE Budget: 150W available for all PoE+ ports, 30W max per port • Fast PoE & Perpetual PoE • PoE Auto Recovery‡ • Up to 250m PoE transmission distance**
Dimensions (W x D x H)	11.6 × 7.1 × 1.7 in (294 × 180 × 44 mm)
Surge Protection	±6 kV

PERFORMANCE	
Switching Capacity	40 Gbps
Packet Forwarding Rate	29.76 Mpps
MAC Address Table	8K
Packet Buffer Memory	4 Mbit
Jumbo Frame	15 KB

SOFTWARE FEATURES

Quality of Service	• 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△
L2 Features	• Static Link Aggregation • Loop Prevention / 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
Transmission Method	Store-And-Forward

MANAGEMENT FEATURES

Omada App	Yes. Requires the use of Omada Hardware Controller, Omada Cloud-Based Controller, or Omada Software Controller.
Centralized Management	• Omada Cloud-Based Controller • Omada Hardware Controller • Omada Software Controller
Cloud Access	Yes. Requires the use of Omada Hardware Controller, Omada Cloud-Based Controller, or Omada Software Controller.
Zero-Touch Provisioning	Yes. Requires the use of Omada Cloud-Based Controller
Management Features	• Web-based GUI • DHCP Client • Cable Diagnostics • Automatic Device Discovery† • Batch Configuration† • Batch Firmware Upgrading† • Unified Configuration†

OTHERS

Certification	FCC, CE, RoHS
Package Content	• ES220GP • Power Cord • Mounting Brackets • Rubber Feet • Screws • Installation Guide
Environment	• Operating Temperature: -5℃~40℃ (23℉~104℉) • Storage Temperature: -40℃~70℃ (-40℉~158℉) • Operating Humidity: 10%~90% non-condensing • Storage Humidity: 5%~90% non-condensing