

MES100-10P

Entry-Level 10-Ports Gigabit Ethernet Managed PoE Switch



The MES100-10P is an entry-level PoE switch with 8 ports supporting 10/100/1000Base-T PoE+ and 2 x 1000Base-X SFP ports. Its PoE+ ports deliver power and data to connected devices, simplifying installation and upkeep. Designed for small to medium-sized networks, this switch combines ease of use with key management features. It supports VLAN and port isolation for network segmentation and security. Additionally, port-based QoS and bandwidth control enable resource allocation for critical applications, enhancing traffic management.



802.3af/at
Compliant



1 Gigabit
Ethernet Speed



SFP
Support



Fanless
Design

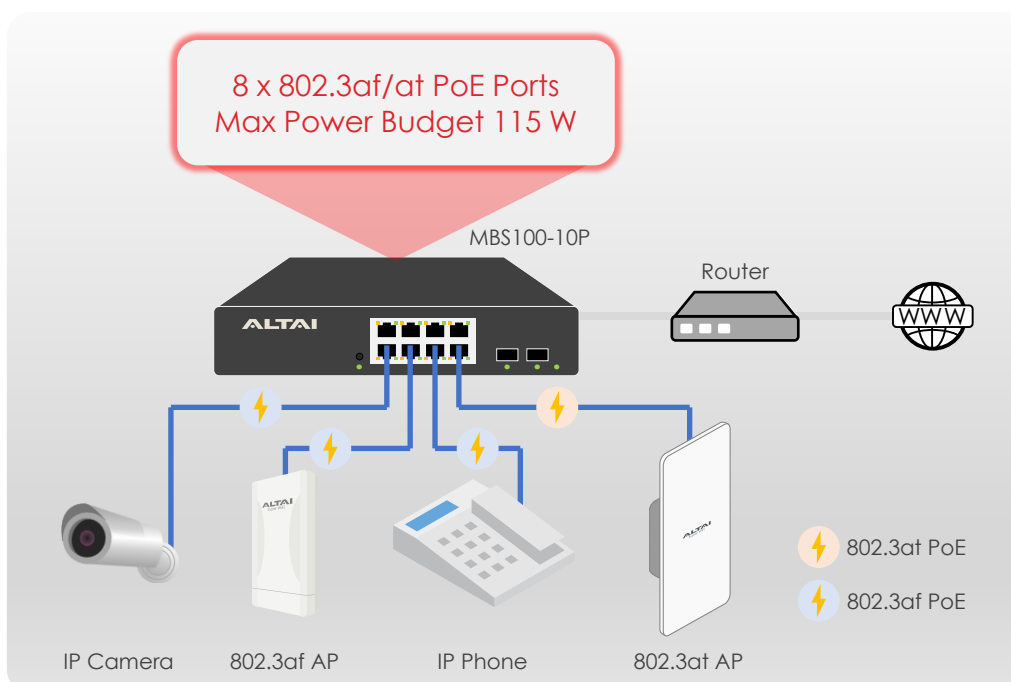


Easy
Management

Key Features and Benefits

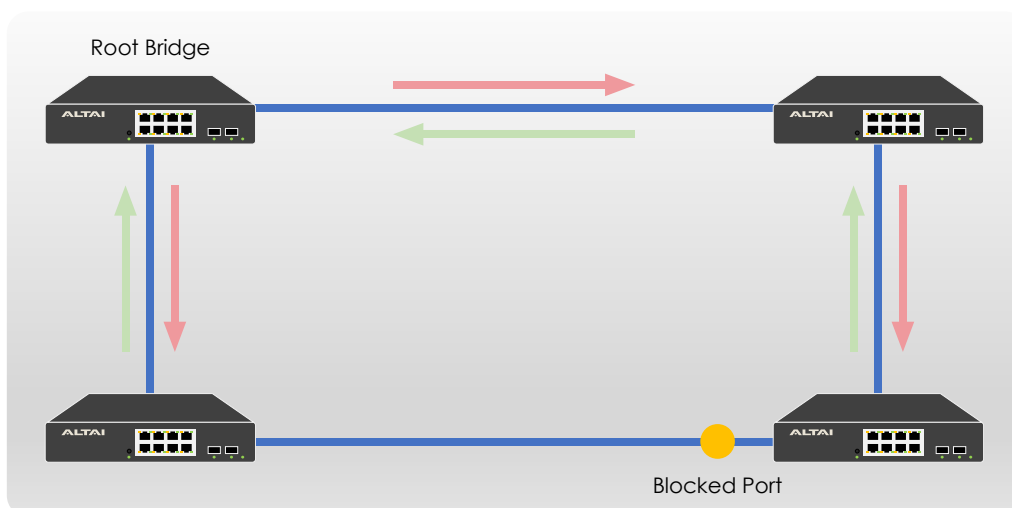
Power over Ethernet

The MES100-10P supports 802.3af/at Power over Ethernet to provide 115 watts of total power budget, along with data, to remote devices over a standard twisted-pair Ethernet cable. It supports eight 1GbE PoE ports, each delivering 30W max of power.



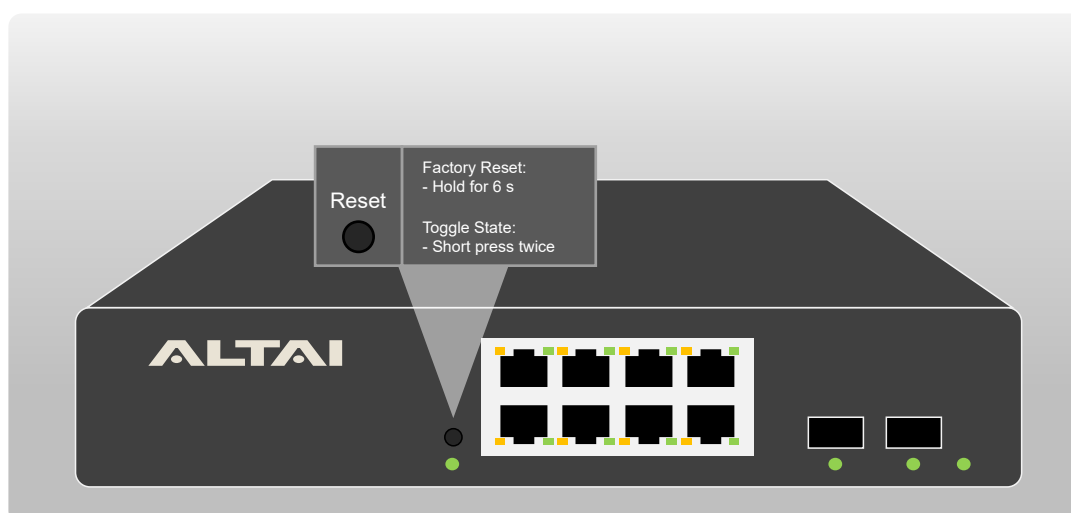
Redundancy

The MES100-10P supports Spanning Tree Protocols (STP/RSTP) to ensure a loop-free network environment. It detects link failures and restores connections within seconds, enhancing network reliability and resiliency.



Reset Button and Flexible Management Mode Selection between Managed and Unmanaged Modes

The switch's reset button features 2 functions. For factory resetting the switch, press and hold the button for 6 second. While Short pressing the button for 2 times within 6 second can toggle between the managed and unmanaged state. In an unmanaged state, the switch retains its configuration, but further management is disabled.



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Hardware Specifications

• Copper Ports	8 x 10/100/1000 Mbps RJ-45 Ports (PoE)
• SFP/Mini-GBIC Slots	2 x 1 Gbps SFP Uplink Port
• Reset Button	Onboard
• Surge Protection	4 kV 8/20 us
• Enclosure	IP30
• Installation	Desktop/19" Rack Mount
• LED	Power: Green System: Green Network Link Per RJ-45 Port: Amber PoE Per RJ-45 Port: Green Link/Activity Per SFP Port: Green
• Dimensions	270 (L) x 181 (W) x 44.5 (H) mm
• Net Weight	1.3 kg
• Input Power	Single Power Supply: AC100-240 V, 50-60 Hz, 2.0 A
• AC Connector	IEC-320 C14
• Power Consumption	Max. 5 W (Without PoE) Max. 120 W (With PoE)

Performance Specifications

• Architecture	Store and Forward
• Switching Capacity	20 Gbps (Non-Blocking)
• Packet Forwarding Rate	14.88 Mpps @ 64-Byte
• MAC Address Table	4 K
• Buffer Memory	2 MB
• Jumbo Frame	9.2 KB

Power Over Ethernet

• Standards	IEEE 802.3af/at
• PoE Ports	Port 1 to 8
• PoE Management	PoE Output On/Off Control per Port
• Power Pin Assignment	1/2(+), 3/6(-)
• Max. Power Per Port	30 W
• Total Power Budget	115 W

Software Features

• VLAN	802.1Q (Access and Trunk, 4K)
• DHCP	DHCP Client
• Link Aggregation	Static
• QoS	Port Based Priority
• IGMP Snooping	IGMP Snooping v1/v2
• Bandwidth Control	Port Based Bandwidth Control
• Storm Control	Unicast/Multicast/Broadcast
• Redundancy	STP/RSTP
• Network Security	Port Isolation
• Port Mirroring	Supported
• Configuration Restore	Supported

Environment Specifications

• Operating Temp.	-20 to +55°C
• Storage Temp.	-40 to +80°C
• Operating Humidity	5 to 90% (non-condensing)
• Storage Humidity	5 to 95% (non-condensing)

Management

- Web User Interface
- Admin Login Account Management

Certification

- CCC
- FCC Part 15 Class B
- RoHS

Warranty

- 1-Year Limited Hardware Warranty

Product Ordering Information

Standard Package

Part No.: SD.ES100-2213-000

- 8 GbE-Port and 2 SFP Port managed PoE Switch
- AC Power Cord

Contact Us

- Email: sales@altaitechnologies.com or info@altaitechnologies.com

MES10010P-PB-250819

The information contained herein is subject to change without prior notice.