

# SmartPOE/802M

## 8 Port 10/100 Managed PoE Switch with 2 Gigabit Combo

### Features

- System Interface/Performance
  - RJ-45 port support Auto MDI/MDI-X Function
  - Embedded 8-port PoE inject function
  - Store-and-Forward Switching Architecture
  - Back-plane (Switching Fabric): 5.6Gbps
  - 1Mbits Packet Buffer
  - 8K MAC Address Table
- Spanning Tree
  - Supports IEEE802.1d Spanning Tree
  - Supports IEEE802.1w Rapid Spanning Tree
- VLAN
  - Port Based VLAN
  - Supports 802.1Q Tag VLAN
  - GVRP
- Port Trunk with LACP
- QoS (Quality of Service)
  - Support IEEE 802.1p Class of Service,
  - Per port provides 4 priority queues
  - Port Base, Tag Base and Type of Service Priority
- Bandwidth Control
  - Ingress Packet Filter and Egress Rate Limit
  - Broadcast/Multicast Packet Filter Control
- Port Mirror: *Monitor traffic in switched networks*
  - TX Packet only, RX Packet only, Both of TX and RX Packet
- System Event Log
  - System Log Server/Client
  - SMTP e-mail Alert
- Security
  - Port Security : MAC address entries/filter
  - IP Security : IP address security management to prevent unauthorized intruder:
  - Login Security: IEEE802.1X/RADIUS
- SNMP Trap
  - Device cold start, Authentication failure, X-ring topology changed, Port Link up/Link down, PoE port events
- IGMP with Query mode for Multi Media Application
- TFTP Firmware Update and System Configure Restore and Backup

**Feeds up to 8 PoE devices!**  
**Supports PoE Power Budget up to 123.2 Watts!**



8 Port 10/100 Managed PoE Switch with 2 Gigabit Combo  
 POE-63208T

**802.3af Compliant**

PART NUMBER	DESCRIPTION
POE-63208T	8 Port 10/100 Managed PoE Switch with 2 Gigabit Combo

The SmartPoE/802M is a multi-port switch that can be used to build high-performance switched workgroup networks. This switch is a store-and-forward device that offers low latency for high-speed networking and features a "store-and-forward" switching scheme. This allows the switch to auto-learn and store source addresses in an 8K-entry MAC address table. The SmartPoE/802M is targeted at workgroup, department or backbone computing environments. The SmartPoE/802M has eight auto-sensing 10/100Base-TX RJ-45 ports and all ports support the PoE injector function. The switch has two auto-detected Gigabit Combo ports for higher connection speed.

**SEE BACK FOR FULL SPECIFICATIONS**

## SPECIFICATIONS

<b>Standards:</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z Gigabit fiber IEEE802.3x Flow Control and Back Pressure IEEE802.3ad Port trunk with LACP IEEE802.3af Power over Ethernet Cisco Legacy PD IEEE802.1d Spanning Tree/ IEEE802.1w Rapid Spanning Tree IEEE802.1p Class of Service IEEE802.1Q VLAN Tag IEEE 802.1x User Authentication (Radius)
<b>Connector</b>	<b>100Base-T:</b> 8x RJ-45 with auto MDI/MDI-X. Ports 1~8 support POE inject function.
<b>Packet throughput ability (Full-Duplex):</b>	8.3Mpps @64bytes
<b>Switch Architecture:</b>	<i>Back-plane (Switching Fabric):</i> 5.6Gbps
<b>MAC address:</b>	8K MAC address table with Auto learning function
<b>Packet Buffer:</b>	1Mbit
<b>Flash ROM:</b>	4Mbytes
<b>DRAM:</b>	32Mbytes
<b>LEDs:</b>	<b>System:</b> Power (Green) <b>10/100TX Port:</b> Link/Activity (Green), 100Mbps (Green), Forwarding /Detect (Green). <b>Gigabit copper port:</b> 1000/100Mbps (Green), Link/Activity (Green) <b>Mini GBIC:</b> Link/Activity (Green) <b>PoE:</b> PWR FWD (Green)
<b>Connectors:</b>	2 x RJ-45 + 2 x 100/1000 SFP socket <b>POE pin assignment:</b> RJ-45 ports #1 ~#8 support IEEE 802.3af End-point, Alternative B mode.
<b>Per port feeding power:</b>	20 Watts (maximum) Positive (VCC+): RJ-45 pin 4, 5. Negative (VCC-): RJ-45 pin 7, 8. Data (1,2,3,6)
<b>Power Supply:</b>	AC 100 ~240V, 200 Watts (Max)
<b>Redundant Power Supply:</b>	48V DC
<b>PoE Power Budget:</b>	123.2 Watts
<b>Ventilation:</b>	One DC Fan with fail detect function
<b>Operating environment:</b>	0°~45°, 5%~95% RH
<b>Storage environment:</b>	-40°~70°, 95% RH
<b>Dimension:</b>	270mm (W) x 210mm (D) x 44mm (H)
<b>EMI:</b>	FCC Class A, CE
<b>Safety:</b>	UL, cUL, CE/EN60950-1

<b>Spanning Tree:</b>	Supports IEEE802.1d Spanning Tree and IEEE802.1w Rapid Spanning Tree
<b>Quality of Service:</b>	The quality of service determined by port, Tag and IPv4 Type of service, IPv4/ IPv6 Different Service
<b>Class of Service:</b>	Supports IEEE802.1p class of service, per port provides 4 priority queues
<b>IP Security:</b>	Supports up to 10 IP addresses permission to access the switch management and prevent unauthorized access.
<b>Login Security:</b>	Supports IEEE802.1X Authentication/RADIUS
<b>Flow Control:</b>	Supports Flow Control for Full-duplex and Back Pressure for Half-duplex
<b>IGMP:</b>	Supports IGMP snooping v1,v2 256 multicast groups and IGMP query
<b>Port Security:</b>	Supports 100 entries of MAC address for static MAC and another 100 for MAC filter
<b>Port Mirror:</b>	Supports 3 mirroring types: "RX, TX, and Both packets"
<b>Bandwidth Control:</b>	Supports ingress packet filter and egress packet limit The egress rate control supports all of packet types with limit rates of 100K~250Mbps Ingress filter packet type combination rules are Broadcast/Multicast/Unknown Unicast packet, Broadcast/Multicast packet, Broadcast packet only and all of packet. The packet filter rate can be set from 100k to 250Mbps
<b>DHCP:</b>	Provides DHCP Client/ DHCP Server/ IP Relay functions
<b>DNS:</b>	Provides DNS client feature and supports Primary and Secondary DNS servers.
<b>SNTP:</b>	Supports SNTP to synchronize system clock via Internet
<b>System log:</b>	Supports System log record and remote system log server
<b>SMTP:</b>	Supports SMTP Server and 6 e-mail accounts for receiving event alert
<b>Power testing:</b>	Features power supply testing function
<b>Configuration upload and download:</b>	Supports text format configuration file for easy system installation



## SOFTWARE FEATURES

<b>Management:</b>	SNMP v1 v2c, v3/ Web/Telnet/CLI
<b>SNMP MIB:</b>	RFC 1215 Trap, RFC1213 MIBII, RFC 1157 SNMP MIB, RFC 1493 Bridge MIB, RFC 2674 VLAN MIB, RFC 1643, RFC 1757, RSTP MIB, Private MIB, PoE MIB
<b>RFC standard:</b>	Port Based VLAN IEEE 802.1Q Tag VLAN (256 entries)/VLAN ID (Up to 4K, VLAN ID can be assigned from 1 to 4096.) GVRP (256 Groups)
<b>SNMP Trap</b>	1. Device cold start 2. Authentication failure 3. X-ring topology changed 4. Port Link up/Link down 5. DC disconnect trap-PoE port Event
<b>Firmware Update</b>	Supports TFTP firmware update, TFTP backup and restore.
<b>Port Trunk:</b>	LACP Port Trunk: 4 Trunk groups/Maximum 4 trunk members