Product Overview

20117396 provides 16 10/100/1000Mbps RJ45 ports, 2G Combo ports and 2G SFP ports that supports 802.3af/at Standard , with a total PoE power supply up to 250W, powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras. The switch also comes equipped with 2 SFP slots, expanding your network flexibly. In addition, it provides high performance, enterprise-level QoS, advanced security strategies and rich layer 2 management features. With all these advanced features, the PoE Switch is an ideal choice for small and medium business networking. LCD can display the color screen logo, increase the bandwidth display, intelligent fan, display the PoE working status, accurately judge the port working condition and load condition, so as to help customers and wiring engineers find and solve problems in time, eliminate network faults, improve work efficiency and engineering quality.

Product Features

- Complies with IEEE802.3af/at Standard;

- Support RJ45 Auto-MDI/MDIX;

- Supports PoE Power up to 32W for each PoE port;

- Auto detect power device;

- Remote power and Data feeding up to 100m;

- Flow Control for Full Duplex operation and back pressure for Half Duplex Operation;

- Support Energy-Efficient Ethernet (EEE) function (IEEE802.3az)

- Supports a complete lineup of L2 features, including 802.1Q tag VLAN, Port Mirroring, STP/RSTP/MSTP, Link

    Aggregation Control Protocol and 802.3x Flow Control function;

- Web, CLI (Console Port, Telnet, SSH), SNMP and RMON bring abundant management policies;

Product Specifications

Hardware Specification

Model	20117396
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab , IEEE 802.3z, IEEE 802.3x, IEEE 802.1X, IEEE 802.1q , IEEE 802.1p, IEEE 802.1d , IEEE 802.1w, IEEE 802.3ad, IEEE802.3af, IEEE802.3at
Interface	16*10/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 2*10/100/1000Mbps Combo ports 2* 100/1000Mbps SFP Slots 1 Console Port
Indicator	PWR, LNK/ACT, PoE, SYS
Network media	10BASE-T: UTP category 3, 4, 5 cable(≤100m) 100BASE-TX: UTP category 5, 5e cable(≤100m) 1000BASE-T: UTP category 5e, 5 cable(≤100m) 100BASE-FX:MMF, SMF 1000BASE-X: MMF, SMF
MAC Address Table	8K, Auto-learning, Auto-aging
jumbo frame	9216Bytes
Transfer Mode	Store-and-forward
Packet Forward Speed	29.76Mpps
Switching Capacity	40Gbps
Packet Buffer	4.1Mbit
Dimensions(L*W*H)	440*207*45mm
Fan Quantity	2
PoE Port	Port1~16
PoE Power on RJ45	Mode A 1/2(-), 3/6(+)
PoE Power Output	Voltage: 55V DC Power: 32W(MAX)
PoE Power Budget	250W
Power supply	280W
Input Power Supply	100~240V AC, 50/60Hz
Operating Temperature	0°C ~ 40 °C
Storage Temperature	-40 °C ~ 70 °C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Surge Protection	Common mode ±6KV Differential mode ±4KV:
MTBF	>50000 hour
Electrostatic standard	Contact 6KV, Air 8KV
Green energy saving	Support IEEE 802.3az

Software Specification

spanning Tree	IEEE 802.1D -Spanning Tree	
	IEEE 802.1w -Rapid SpanningTree	
	IEEE 802.1s -Multiple Spanning Tree	
	BPDU Guard	
	STP Root Guard	
	Loop Detection	
VLAN	Management VLAN	
	Private VLAN	
	Voice VLAN	
	Surveillance-VLAN	
	Q-in-Q (Double Tag)	
	802.1v Protocol VLAN	
	MAC-Based VLAN	
Port	IEEE 802.3ad witch LACP(Dynamic)	
	Static Trunk	
	EEE	
	Jumbo Frame	
	Error-Disable	
IGMP Snooping	IGMP Snooping v1/v2/v3	
	MLD Snooping v1/v2	
	MVR	
L3	Static Route	
	Static ARP	
	DHCP Server	
QoS Features	Hardware Queues	
	Class Of Service	Port Based
		802.1p

		CoS
		DSCP
		IP Precedence
		TCP/UDP (IPv4/IPv6)
	Rate Limiting	Ingress
		Egress
	Priority Queue Scheduling	WRR
		Strict Priority
		DSCP & CS
	IPv4 QoS (QCEs)	
	IPv6 QoS (QCEs)	
Security	Port Security	
	Port Isolation	
	IEEE802.1x AAA	
	ACLs	L2+/L3/L4
		IPv6 Support
		Management Access List
	Management ACL/Management ACE	
	IP Source Guard (IP-MAC-Port-VALN Binding)	
	IP Source Guard (IP-MAC-Port Binding)	
	Dynamic ARP Inspection	
	Storm Control	
	RADIUS/TACACS+	
	RADIUS Authentication (RFC2138)	
	DDoS Prevention	
	HTTPs and SSL (Secured Web)	
	SSH v1.5/v2.0 (Secured Telnet Session)	
	DHCP Snooping	

	DHCP Relay	
Management	SNMP (v1, v2c, v3)	
	RMON (1, 2, 3 & 9 groups)	
	Software Upgrade	
	Configuration Export/Import	
	DHCP	Client
		Option 82
		Option 66
		Option 67
	Event/Error Log	Syslog
	Management Access Filtering	Console
		SNMP
		HTTP/HTTPS
		Telnet
	Port Mirroring	
	LLDP (IEEE802.1AB)	
	LLDP-MED	
	UDLD	
	DNS Client	
	Traceroute	
	Ping	
	Cable Test	
	DDMI	
	NTP/ SNTP (RFC2030)	
IPv6 Support	Dual IPv6/IPv4 stack	
	IPv6 Web/SSL	
	IPv6 SNTP (Simple Network Time Protocol)	
	IPv6 Telnet / SSH	

	IPv6 Ping/Traceroute	
	IPv6 TFTP	
	IPv6 RADIUS/TACACS+	
	IPv6 SNMP	
PoE Management	Port Config	
	Alive Checking for PD	
	PoE Delay	
	PoE Schedule	
ONVIF	ONVIF Deteciton	
	ONVIF Server(NLM)	

Ordering information

Model	product information
20117396	16-Port Gigabit+2G Combo+2G SFP+1Console LCD Display Managed PoE switch(16-Port PoE, Support 802.3af/at Standard)