

DIREKTRONIK

Product Overview



20117394 provides 8 10/100/1000Mbps RJ45 ports that supports 802.3af/at Standard with a total PoE power supply up to 140 W, powerful and flexible enough for users to deploy wireless access points or IP based network surveillance cameras. The switch also comes equipped with 2 *1000Mbps 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, 2011794 is an ideal choice for small and medium business networking.

Product Features

- Complies with IEEE802.3af/at Standard;
- Support RJ45 Auto-MDI/MDIX;
- Supports PoE Power up to 30W for each PoE port;
- Auto detect power device;
- PoE, main board and power supply are all in one:
- 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);
- Highly reliable design, supporting traditional STP/MSTP/RSTP Layer 2 link protection technology;
- Support static convergence and dynamic convergence (LACP) 2 convergence modes, effectively increase the link bandwidth, improve the reliability of the link, and at the same time can achieve load balancing, link backup;
- Web, CLI (Console Port, Telnet, SSH), SNMP and RMON bring abundant management policies;
- Support PD-ALIVE function.

Product Specifications

Hardware Specification

Model	20117394	
Interface	8*10/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 2*1000Mbps SFP Slots 1 Console Port	
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	
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) 1000BASE-X: MMF, SMF	
Indicator	PWR, LNK/ACT, PoE, SYS	
MAC Address Table	8K, Auto-learning, Auto-updating	
Jumbo Frame	9216Bytes	
Packet Buffer	4.1Mbit	
Transfer Mode	Store-and-forward	
Packet Forward Speed	14.88Mpps	
Switching Capacity	20Gbps	
PoE Port	Port1~8	
PoE Power On RJ45	1/2(+), 3/6(-)	
PoE Power Output	Voltage: 55V Power: 30W(MAX)	
PoE Power Budget	140W	140W Fanless(optional)
Power Supply	150W	150W Fanless(optional)
Input Power Supply	100~240V AC, 50/60Hz	
Fan Quantity	1	Fanless(optional)
Dimensions(L*W*H)	280*180*44mm	
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 ±4KV Differential mode ±2KV:	
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 Spanning Tree	
	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		
	Trace route		
	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/Trace route		
	IPv6 TFTP		
	IPv6 RADIUS/TACACS+		

	IPv6 SNMP
PoE Management	Port Config
	Alive Checking for PD
	PoE Delay
	PoE Schedule
ONVIF	ONVIF Detection
	ONVIF Server (NLM)

Ordering Information

Model	Product Information
20117394	8-Port Gigabit+2G SFP Managed PoE Switch (8-Port PoE, Support 802.3af/at Standard)



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