

# DIREKTRONIK

## Product Overview



20117397 provides 24\*10/100/1000Mbps RJ45 interface, 2G Combo interface and 2G SFP interface, 24 RJ45 interface all support PoE power supply, support static routing function, provide complete security policy, perfect QoS strategy and rich VLAN function, easy to manage and maintain, meet the enterprise, community, hotel, office network, campus network networking and access requirements

## 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;
- Support PD Alive function(the switch port is disconnected will automatically connected);

## Product Specifications

### Hardware Specification

<b>Model</b>	20117397	
<b>Standard</b>	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	
<b>Interface</b>	24*10/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 2*10/100/1000Mbps Combo ports 2* 100/1000Mbps SFP Slots 1 Console Port	
<b>Indicator</b>	PWR, LNK/ACT, PoE	
<b>Network media</b>	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	
<b>MAC Address Table</b>	16K, Auto-learning, Auto-aging	
<b>jumbo frame</b>	12KBytes	
<b>Transfer Mode</b>	Store-and-forward	
<b>Packet Forward Speed</b>	41.66Mpps	
<b>Packet buffer</b>	12M	
<b>Switching Capacity</b>	56Gbps	
<b>Dimensions(L*W*H)</b>	440*207*44mm	
<b>Fan Quantity</b>	2	
<b>PoE Port</b>	Port1~24	
<b>PoE Power on RJ45</b>	Mode A 1/2(-), 3/6(+)	
<b>PoE Power Output</b>	Voltage: 55V DC Power: 32W(MAX)	
<b>PoE Power Budget</b>	250W	370W
<b>Power supply</b>	280W	400W
<b>Input Power Supply</b>	100~240V AC, 50/60Hz	
<b>Operating Temperature</b>	0°C ~ 40 °C	
<b>Storage Temperature</b>	-40 °C ~ 70 °C	
<b>Operating Humidity</b>	10% ~ 90% non-condensing	
<b>Storage Humidity</b>	5% ~ 90% non-condensing	
<b>Surge Protection</b>	Common mode ±6KV Differential mode ±4KV:	
<b>MTBF</b>	>50000 hour	
<b>Electrostatic standard</b>	Contact 6KV, Air 8KV	
<b>Green energy saving</b>	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	
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
ONVIF	ONVIF Deteciton
	ONVIF Server(NLM)

## Ordering information

Model	product information
20117397	24-Port Gigabit+2G Combo+2G SFP+1Console Managed PoE Switch(24-Port PoE, Support 802.3af/at Standard)

The logo for DIREKTRONIK is displayed in a bold, italicized, sans-serif font. The letters are white with a thick red outline. The logo is positioned on a yellow curved background that sweeps across the bottom of the page.

**DIREKTRONIK**

Direktronik AB tel. 08-52 400 700 [www.direktronik.se](http://www.direktronik.se)