



# TP-Link SG2005P-PD network switch Managed L2/L2+ 10G Ethernet (100/1000/10000) Power over Ethernet (PoE) White

**Brand :** TP-Link

**Product code:** SG2005P-PD

**Product name :** SG2005P-PD

RJ45x5, PoE, 71.5W, 10G, 8k, 9kb, 4.1Mb

TP-Link SG2005P-PD. Switch type: Managed, Switch layer: L2/L2+. Basic switching RJ-45 Ethernet ports type: 10G Ethernet (100/1000/10000), Basic switching RJ-45 Ethernet ports quantity: 4. MAC address table: 8000 entries, Switching capacity: 10 Gbit/s. Networking standards: IEEE 802.11d, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ab, IEEE.... Power over Ethernet (PoE)



Management features		Security	
Switch type *	Managed	Access Control List (ACL) IPv4 entries	32
Switch layer	L2/L2+	IGMP snooping	✓
Quality of Service (QoS) support	✓	Security algorithms	802.1x RADIUS
Web-based management	✓	MAC address filtering	✓
Cloud-managed	✓	IP-MAC-Port binding	✓
ARP inspection	✓	Authentication	MAC-based authentication, Port-based authentication
MIB support	✓	Password protection	✓
Ports & interfaces		Multicast features	
Basic switching RJ-45 Ethernet ports quantity *	4	Multicast MAC address table	8000 entries
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)	IPv4 multicast entries	511
10G Ethernet (copper) ports quantity	4	IPv6 multicast entries	511
Network		Protocols	
Networking standards *	IEEE 802.11d, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt, IEEE 802.3i, IEEE 802.3u, IEEE 802.3x	IPv4 & IPv6 features	Dual stack IPv4/IPv6, IPv4/IPv6 access-control list (ACL), IPv6 tracer
10G support *	✓	Design	
Copper ethernet cabling technology	10BASE-T, 100BASE-TX, 100BASE-T	Rack mounting *	✗
Cable types supported	Cat5, Cat5e	Stackable *	✗
Port mirroring	✓	Product colour	White
Flow control support	✓	Power	
Link aggregation	✓	Power source *	DC/PoE
Spanning tree protocol	✓	Power supply included *	✓
IPv4 routes	32	Power consumption (typical)	71,5 W
IPv6 routes	32	Power over Ethernet (PoE)	
VLAN support	✓	Power over Ethernet (PoE) *	✓
Virtual LAN features	Voice VLAN	Power over Ethernet (PoE) power per port	64 W
Number of VLANs	4000	Operational conditions	
		Operating temperature (T-T)	-40 - 60 °C

Data transmission		Operational conditions	
Switching capacity *	10 Gbit/s	Storage temperature (T-T)	-40 - 70 °C
MAC address table *	8000 entries	Operating relative humidity (H-H)	10 - 90%
Jumbo frames support	✓	Storage relative humidity (H-H)	5 - 90%
Jumbo frames	9	Heat dissipation	243,99 BTU/h
Packet forwarding rate (1 Gbps)	7440 pps	Weight & dimensions	
Packet buffer memory	4,1 MB	Width	170 mm
Security		Depth	100 mm
DHCP features	DHCP relay, DHCP server	Height	38,5 mm
Access Control List (ACL)	✓	Sustainability	
		Sustainability compliance	✓
		Sustainability certificates	CE, RoHS



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