

Unmanaged PoE Switch 24*10/100/1000M PoE + 2*1000M RJ45 Uplink + 2*1000M SFP

DK1000-24TP2G2S-N



Overview

DPTEK®DK1000-24TP2G2S-N series PoE switch is designed by DPTEK for meeting the demand of PoE power supply. It adopts the latest high-speed Ethernet switching chip and ultra-high backplane bandwidth design, with extremely fast data processing capability to improve smooth data transmission performance. It has 24 PoE-powered RJ45 ports, 2 RJ45 uplink ports and 2 independent SFP expansion slot. All of twenty-four RJ45 ports support IEEE 802.3af/at standard, with a maximum power supply of 30W for a single port and 300W for the whole machine, which can automatically detect and identify the powered devices that comply with IEEE 802.3af/at standard and supply power for the priority mechanism through the network cable.

With simple and convenient installation and maintenance means and rich service features, it helps users to build a safe and reliable high-performance network. It is mainly positioned at the core or convergence layer of user networks such as industrial parks, buildings, factories and mines, government agencies, and community broadband; it can be widely used in Ethernet access scenarios such as SMEs, Internet cafes, hotels, and schools.

FEATURES

- 24*10/100/1000Mbps PoE ports, 2*10/100/1000Mbps uplink port, 2*1000Mbps SFP Slot
- Support IEEE802.3af/at
- All port supported by MDI/MDIX auto flip and self-negotiation
- Built-in power supply
- Maximum power of single PoE port: 30 W
- Whole machine power: 300W/450W
- Adopts store-and-forward architecture
- Fanless, natural cooling, small,compact and quiet design, suitable for desktop or wall
- Support lightning protection 4KV

Technical specification

Item		Description	
Power	Power Adapter Voltage	AC 110V-240V	
	Consumption	Optional 300W or 450W	
Network Connector	Network Port	PoE Ethernet Port	1~24 Port : 10/100/1000Mbps
		Ethernet port	Uplink Port : 2*10/100/1000Mbps
		SFP Port	SFP Port: 2*1000Mbps SFP
	Transmission Distance	1~24 Port : 100/1000Mbps:0~100m	
		Uplink Port : 0 ~ 100m	
SFP: depends on the optical module(20km...100km)			
Transmission Medium	Cat5/5e/6 standard network cable		
Network Switch	Network Standard	IEEE802.3/802.3u, IEEE802.3x,IEEE802.ab	
	Switching Capacity	56Gbps	
	Packet buffer memory	1Mbits	
	Throughput	41.664Mpps	
	MAC Table	2K	
	Paket Forwarding Rate	10Mbps:14880pps/port 100Mbps:148800pps/port 1000Mbps:1488000pps/port	
Power Over Ethernet	PoE Standard	IEEE 802.3af/at	
	PoE Power Supply	End-Span(1/2+;3/6-)	
	PoE Power	af=15.4W,at=30W	
RJ45 port	Port Function	Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode	
LED Indicator	LED Indicator	LINK/ACT.100Mbps;PoE Status Indicator; Power indicator;Extender	
Environmental	Working temperature	0°C~55°C	
	Relative Humidity	20~95%	
	Storage temperature	-20°C~70°C	
Mechanical	Dimension (L×W×H)	440mm*285mm*55m	
	Color	Black	
	Weight	4.5kg	