

## Unmanaged PoE Switch 8\*10/100M PoE + 2\*1000M RJ45 Uplink

**DK100-8FP2G-N**



### Overview

DPTEK DK100-8FP2G-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 8 PoE-powered RJ45 ports and 2 RJ45 uplink ports. All of eight RJ45 ports support IEEE 802.3af/at standard, with a maximum power supply of 30W for a single port and 150W 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

- 8\*10/100Mbps PoE ports, 2\*10/100/1000Mbps uplink port
- Support IEEE802.3af/at
- Support restrain network storm, VLAN function
- Support Max Transmission distance up to 250m
- 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: 120W
- Adopts store-and-forward architecture;
- Fanless, natural cooling, small,compact and quiet design, suitable for desktop or wall
- Support lightning protection 6KV

## Technical specification

Item		Description	
Power	Power Adapter Voltage	AC 110V-240V	
	Consumption	120W	
Network Connector	Network Port	PoE Ethernet Port	1~8 Port : 10/100Mbps
		Ethernet port	Uplink Port : 10/100/1000Mbps
	Transmission Distance	1~8 Port :	100Mbps:0~100m; 10Mbps: 0~250m;
		Uplink Port :	0 ~ 100m
Transmission Medium	Cat5/5e/6 standard network cable		
Network Switch	Network Standard	IEEE802.3/802.3u, IEEE802.3x,IEEE802.ab	
	Switching Capacity	5.6Gbps	
	Packet Buffer Memory	1Mbits	
	Throughput	4.1664Mpps	
	MAC Table	2K	
	Packet 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)	190mm*125mm*38mm	
	Color	Black	
	Weight	1.05kg	
Stability	MTBF	>30000h	