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

## DK1000-8TP2G-H



## Overview

DPTEK®DK1000-8TP2G-H 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*10/100/1000Mbps PoE ports, 2*10/100/1000Mbps uplink port
- Support IEEE802.3af/at
- Support restrain network storm, VLAN function
- 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: 150W
- 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 | | 150W(52V,2.3A) |
| **Network Connector** | Network Port | PoE Ethernet Port | 1～8 Port : 10/100/1000Mbps |
| | | Ethernet port | Uplink Port : 10/100/1000Mbps |
| | Transmission Distance | | 1～8 Port : 10/100/1000M: 0~ 100m |
| | | | 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 | | 20Gbps |
| | Packet Buffer Memory | | 1Mbits |
| | Throughput | | 14.88Mpps |
| | MAC Table | | 4K |
| | Fording Model | | Store -and -forward |
| | Data Package length | | 1518byte |
| | Full Wire Speed | | Full wire speed transmission under full duplex mode |
| | Packet Forwarding Rate | | 10Mbps:14880pps/port<br>100Mbps:148800pps/port<br>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 | | PWR:keep bright<br>Port power indicator:keep bright<br>Port Network indicator:Flicker when there is data transmission |
| **Environmental** | Working temperature | | 0℃~55℃ |
| | Relative Humidity | | 20~95% |
| | Storage temperature | | -20℃~70℃ |
| **Mechanical** | Dimension (L×W×H) | | 220mm*140mm*45mm |
| | Color | | Black |
| | Weight | | 1.13kg |
| **Stability** | MTBF | | >30000h |