Unmanaged PoE Switch
16*10/100/1000M PoE+, 2*1000M RJ45 Uplink

DK1000-16TP2G

Overview

The DPTEK PoE switch provides power and data from a single point, using Power over Ethernet (PoE) over Cat-5e or higher cable. It can be used for any 10/100/1000Mbps link and supply industry-standard IEEE 802.3af/at power. Advanced auto-sensing algorithm gives power to 802.3af/at end devices, In addition, the PoE switch automatically determines PoE requirements, speed, duplex, and cable type using auto-negotiation. Easy to operate and reliable.
The PoE switch is ideal for powering PoE devices such as IP cameras, Wireless Access Point, IP phones, office Access Control Systems, and other PD devices and offers a line of high quality products that provide a total solution for Ethernet application in different environments.

Features

- 16*1000Mbps PoE+ port, 2*1000Mbps RJ45 Uplink port
- 100m Transmission Distance,1-16 port support VLAN mode
- Compatible with IEEE802.3af/at
- Total Power: 250W
- All RJ45 port supported by MDI/MDIX auto flip and auto-negotiation
- Has 18*10/100/1000 Mbps adaptive high speed non-blocking RJ45 data ports
- Add high level lightning protection device, up to 6000V.
- Each PoE+ port can supply 30 W maximum power.
- Low heat design, safe and reliable, high stability
- Application: Wireless Access Point, IP Camera,IP Phone, Computer Networks

Technical specification

16*10/100/1000M PoE+, 2*1000M RJ45 Uplink	
Model	**DK1000-16TP2G**
DATA Pins	1/2+,3/6- 4/5+7/8-
Power Supply Type	Built In, 1/2+,3/6-
PoE Output Power	30W
Connector	16*1000Mbps PoE+ port, 2*1000Mbps RJ45 Uplink port
Network Medium	Copper Cable: Cat5e (UTP) or higher
Technology	
Network Standards	IEEE 802.3i 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IEEE 802.3af/at Power over Ethernet
PoE power	30W per port (IEEE802.3af/at).

	Wiring: Data & power provided over pairs 1/2 and 3/6 or 4/5 (+) and 7/8(-)
Processing types	Store-and-forward Half-duplex back pressure and IEEE 802.3x full-duplex flow control
Address database Table Size	8K MAC address
Buffer memory	48Kb embedded memory per unit
Backboard Bandwidth	36Gbps Full duplex
Network Latency	Less than 20μs for 64 byte frames in store-and-forward mode for 1000Mbps to 1000Mbps transmission
Power	
Input	AC 110-240 V, 50/60 Hz
PoE power consumption	30W per port (IEEE802.3af/at)
Overload current protection	Present
Mechanical	
Casing	Metal
Installation	Desktop/Rack mounting with Brackets
Interface	
LED Indicators	System: Power, PoE Maximum power Per port: Link, Activity, Speed, PoE active, PoE error
Environment specification	
Operating temperature	-10 ~ +55℃
Storage temperature	-40 ~ +70℃
Operating humidity	90% maximum relative humidity, non-condensing
Storage humidity	95% maximum relative humidity, non-condensing
Dimensions	312*185*46mm (L*W*H)
Weight	N.W:1.8Kg G.W:2.1Kg