

## 4\*1G SFP + 24\*10/100/1000Base-T Layer 2 Managed PoE Switch

### DK2110M-24TP4S

#### Overview

The DPTEK DK2110M-24TP4S is the Layer 2 full gigabit managed PoE switch, which provide high-density performance, powerful Layer 2 management with 56Gbps switching capacity. The DK2110M-24TP4S provides comprehensive end to end QoS as well as flexible and rich management, security settings, which can meet the high speed, secure and smart requirement for small and medium-size enterprise networks based on cost effective price. The powerful network security features also make the DK2110M-24TP4S perform effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications. With total power consumption up to **440 watts**, It offers a rack-mountable, affordable, safe and reliable power solution for SMBs deploying Power over Ethernet networks, or requiring enhanced data security and network traffic management.

#### Picture



#### Features

- 24\*10/100/1000BASE-T Gigabit Ethernet RJ45 PoE ports, 4\*1G SFP+ slots, 1\*RJ45 console interface for switch basic management and setup
- Complies with IEEE 802.3at, IEEE802.3af standard. Max output power per port can reach 30W(PoE+)
- Smart and standard PoE chipset to detect the PD equipments automatically, never burn the PD equipments
- Port aggregation: Supports GE ports, 2.5GE port aggregation, static and dynamic aggregation
- VLAN: Supports access, trunk, hybrid mode and VLAN classification, including the Mac based VLAN, IP based VLAN and protocol based VLAN
- QinQ: Supports port-based, VLAN-based and flow-based QinQ
- Port Mirroring: Many to one port mirroring
- Layer 2 ring network protocol: Supports STP, RSTP, MSTP, G.8032 ERPS protocol, single ring, sub ring
- Multicast: Supports IGMP V1, V2,V3 and IGMP snooping

- QoS: QoS class, remarking, Supports SP, WRR queue scheduling, Ingress/Engress port-based rate-limit and policy-based QoS
- Security: Support Dot1x, port authentication, mac authentication, RADIUS service; Support port-security, ip source guard, IP/Port/MAC binding, arp-check and ARP packet filtering for illegal users and port isolation
- Management: Supports LLDP, user management and login authentication; SNMPV1/V2C/V3; web management, HTTP1.1, HTTPS; Syslog and alarm grading ; RMON (Remote Monitoring) alarm, event and history record; NTP, temperature monitoring; Ping、Tracert and optical transceiver DDM function; Supports TFTP Client, Telnet Server, SSH Server and IPv6 management; PoE management
- Firmware update, configure backup/restore through Web GUI, FTP and TFTP

## Technical specification

Model	DK2110M-24TP4S
Fixed ports	4*1G SFP slots, 24*10/100/1000M RJ45 PoE ports
Management port	1*Console
PoE	Complies with IEEE 802.3at, IEEE802.3af standard. Max output power per port can reach 30W(PoE+) Support 1/2(+) 3/6(-) Endspan Support Non-standard PD
Switching capacity	56Gbps
Packet forwarding rate	41.66Mpps
MAC address table	16K
Buffer	12M bit
Port aggregation	Support GE port, 2.5GE aggregation Support static and dynamic aggregation
Port features	Support IEEE802.3x flow control, Port traffic statistics, port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access, trunk and hybrid mode

<b>VLAN Classification</b>	Mac Based VLAN IP Based VLAN Protocol Based VLAN
<b>QinQ</b>	Basic QinQ (Port-based QinQ) Flexible Q in Q(VLAN-based QinQ) QinQ(Flow-based QinQ)
<b>Port mirroring</b>	Many to one (Port Mirroring)
<b>Layer 2 ring network protocol</b>	Support STP、RSTP、MSTP Support G.8032 ERPS protocol, single ring, sub ring and other ring
<b>DHCP</b>	DHCP Client DHCP Snooping
<b>Multicast</b>	IGMP V1,V2,V3 IGMP snooping
<b>ACL</b>	IP Standard ACL MAC extend ACL IP extend ACL
<b>QoS</b>	QoS Class, Remarking Support SP, WRR queue scheduling Ingress Port-based Rate-limit Egress Port-based Rate-limit Policy-based QoS
<b>Security</b>	Support Dot1x, port authentication, mac authentication, RADIUS service Support port-security Support ip source guard, IP/Port/MAC binding Support arp-check and ARP packet filtering for illegal users Support port isolation
<b>Management and maintenance</b>	Support LLDP Support user management and login authentication Support SNMPV1/V2C/V3 Support web management, HTTP1.1, HTTPS Support Syslog and alarm grading Support RMON (Remote Monitoring) alarm, event and history record Support NTP Support temperature monitoring Support Ping、Tracert

	<p>Support optical transceiver DDM function</p> <p>Support TFTP Client</p> <p>Support Telnet Server</p> <p>Support SSH Server</p> <p>Support IPv6 management</p> <p>Support PoE management</p> <p>Support FTP, TFTP, WEB upgrading</p>
<b>Dimension(mm)</b>	440*245*44mm
<b>Power supply</b>	<p>VAC input</p> <p>Rated voltage range: 100-240V</p> <p>Frequency: 50/60Hz</p>
<b>Fan</b>	Support fan speed control
<b>Consumption</b>	Total power consumption $\leq 440W$
<b>Power surge protection</b>	6KV, IEC 61000-4-5 Level X (8/20us)
<b>Ethernet ports surge protection</b>	4KV, IEC 61000-4-5 Level 4 (10/700us)
<b>Working temperature</b>	0°C-50°C
<b>Humidity</b>	<p>Working humidity: 10%-90%RH</p> <p>Storage humidity: 5%-95%RH</p>

## Order information

Model	Description
<b>DK2110M-24TP4S</b>	Layer 2 managed POE switch with 4*1G SFP slots + 24*10/100/1000M RJ45 PoE ports, AC 100-240V 50/60Hz, total power consumption 440W