

D7109

Managed 8-Port Gigabit PoE Switch



Description

The managed 8-port gigabit PoE switch with 2 SFP lots provides 8 10/100/1000M network ports and 2 gigabit SFP slots, of which ports 1~8 are PSE power supply ports, supporting IEEE802.3af and IEEE802.3at power supply standards and PoE+, with a maximum single-ended output power of up to 30W and a total power of 120W.

The managed 8-port gigabit PoE switch features L2+ network management function and supports IPV4/IPV6 forwarding mechanism, complete security protection mechanism, rich ACL/QoS policy and abundant VLAN function, easy for management and maintenance. It supports a variety of network redundancy protocols STP/RSTP/MSTP(<50ms) to enhance link backup and network reliability. When a one-way network fails, communication can be quickly restored to ensure uninterrupted communication for important transmissions. The managed 8-port gigabit PoE switch enables flexible operation and maintenance management, and can be configured for various application services through Web, CLI, SNMP, Telnet and other network management methods, port flow control, VLAN division, QoS and other functions.

With superb big data processing capacity, professionalism, flexibility, durability and stability, the managed 8-port gigabit PoE switch adapts to a diversity of networking scenarios. Identified with the combination of gigabit network port and fiber optical port, it can meet the growing demand for big data and is favored by a majority of engineering business, thus emerging as the most desirable alternative for edge products of small and medium-sized projects as well as large-scale projects

Features

- Exceptional big data processing capacity for smooth experience.
- Robust business management capability.
- Complete security protection mechanism.
- Easy operation and maintenance management.
- Flexible PoE deployment capability and strong compatibility for seamless integration with various brands.
- Intelligent terminal protection capability for powering standard PoE terminals while never burning the terminal devices.

Specifications

Model	D7109
Downstream Facing Port	8 10/100/1000M Base-TX Ethernet ports
Upstream Facing Port	2 1.25G SFP slots
Management Port	1 Console port
PoE Port	8 PoE+-powered ports (ports 1-8), with a transmission distance of 100m.
PoE Standard	Support IEEE802.3at power supply standard; compatible with IEEE802.3af power supply standard.
Switching Capacity	66Gbps
Forwarding Rate	27Mpps
MAC Address Table	Support 8K MAC address table, dynamic and static address table. Support MAC address table automatic learning and aging, two-way learning.
Protocol Standards	IEEE 802.3i 10Base-TX; IEEE 802.3u 100Base-TX; IEEE 802.3ab/z 1000Base-TX; IEEE 802.3x Flow Control; IEEE 802.3af DTE Power via MDI; IEEE 802.3at DTE Power via MDI; ANSI/IEEE802.3N-Wa; IEC61000-4-2(ESD)15KV(air), 8KV(contanc).
VLAN	Support up to 4096 VLANs; Support port-based VLAN; Support 802.1Q standard-compliant VLAN; Support MAC VLAN; Support Protocol VLAN.
Spanning Tree	Support STP spanning tree protocol; Support RSTP rapid spanning tree protocol; Support MSTP multiple spanning tree protocol.
Port Aggregation	Support static aggregation and dynamic aggregation.
Port Mirroring	Support many-to-one port mirroring, with no limit on the number of mirroring source ports.
Loop Protection	Support loop detection/loop avoidance
Port Flow Control	Support half-duplex backpressure-based control; Support full duplex PAUSE frame-based control.
Port Speed Limit	Support port-based input/output bandwidth management.
Multicast Control	Support IGMP Snooping; Support MVR (Multicast VLAN Registration) function; Support MLD Snooping (Multicast Listener Discovery Snooping).
DHCP	Support DHCP Client; support DHCP Server; support DHCP Snooping; support DHCP Relay.
Storm Suppression	Supports suppression of broadcast, multicast, unicast, etc.
PoE Control	PoE on and off; PoE energy-saving mode; PoE output control<6,11,20,32,35W>; PoE power consumption allocation; PoE timing.
QOS	SP (Strict Priority), strict priority round robin algorithm; WFQ (Weighted Fair Queuing), weighted fair queuing; WRR (Weighted Round Robin), weighted priority round robin algorithm;

	<p>Random Early Detect (RED), random early detection algorithm; WeightedRandomEarlyDetection (WRED), weighted random early detection algorithm; Head Of Line, blocking prevention mechanism; Best-Effort Service, best-effort service; First come first served, first come first served algorithm; 802.1p port queue priority algorithm; Cos/Tos, QOS mark; Differentiated Service, differentiated service.</p>
Security Feature	<p>The hardware supports IP ACL, MAC ACL, Vlan ACL, and ACL functions based on layer 3 and layer 4. The hardware supports port-based IP+MAC binding; Support IP Source Guard function; Support ARP Detection function; Support IEEE 802.1x port authentication; Support Radius function; Support TACACS+ authentication function; Support hierarchical user management and password protection.</p>
Lightening Protection	<p>Meet IEC61000-4-2(ESD)±15KV(air), ±8KV(contanc); can withstand 8/20us 24A (12A) energy.</p>
System Maintenance	<p>Support configuration file upload/download; support upgrade package upload; support WEB reset. Support system log function; support Ping.</p>
Network Management	<p>Support WEB interface management (support http and https protocols); support CLI interface management; support Telnet remote management. Support SSH 2.0; support SNMP network management; support RMON; support LLDP.</p>
PoE Total Power	120W
Environmental Requirements	<p>Long-term operating temperature: -10~55℃. Long-term relative operating humidity: 10%~90% (no condensation).</p>
AC Power	<p>Rated voltage range: 100~240V AC; 50/60Hz. Maximum voltage range: 90~264V AC; 50/60Hz.</p>
Overall Dimensions	270*180*44.5mm (W*D*H)
Package Dimensions	330*257*75mm
Net Weight	1.28Kg
Gross Weight	1.73Kg