

## Switch D7109

The managed 8-port gigabit PoE switch with 2 SFP slots 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

Port Number	8 Port
Port speed	100mbp/s
PoE	PoE
PoE power	120 W
Type	Managed



## Detailed

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; 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.
Security Feature	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.
Lightening Protection	Meet IEC61000-4-2(ESD)±15KV(air), ±8KV(contact); can withstand 8/20us 24A (12A) energy.
System Maintenance	Support configuration file upload/download; support upgrade package upload; support WEB reset.  Support system log function; support Ping.
Network Management	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.
PoE Total Power	120W

Environmental Requirements	Long-term operating temperature: -10~55°C. Long-term relative operating humidity: 10%~90% (no condensation).
AC Power	Rated voltage range: 100~240V AC; 50/60Hz. Maximum voltage range: 90~264V AC; 50/60Hz.
Overall Dimensions	270*180*44.5mm (W*D*H)
Package Dimensions	330*257*75mm
Net Weight	1.28Kg
Gross Weight	1.73Kg

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