

# S2300 Series L2 Gigabit Industrial Access Switch Datasheet

## Overview

S2300 series 8-Port L2 Gigabit industrial switch can be used in different scenarios, such as Railway, Telecom, Transportation, Factory, etc. It provides the stable, reliable and secure high-performance switching service for industrial environment.

S2300 series is designed for harsh industrial environment, external dual redundant DC48~55V wide range power input; IP40 protection grade metal chassis design, port surge protection up to 6KV; the working temperature range of -40~85 °C, can meet the special needs of industrial automation control.

S2300-10TFI-DC48 provides 8 10/100/1000M electric ports and two 1000M SFP interfaces, DC Power Supply.

S2300-10TPI-DC48 provides 8 10/100/1000M electric ports and two 1000M SFP interfaces, PoE/PoE+ enable, DC Power Supply.



S2300-10TPI-DC48 / S2300-10TFI-DC48

## Key Features

- Lightning protection level: 6KV
- IP40 protection, industrial fan-less thermal conduction.
- DIN-rail aluminum alloy shell, which is compact and convenient.
- Conforms to IEEE802.3af/at standard, maximum 30W POE power of single port.
- Intelligent standard 48V POE power supply, self-negotiation power supply according to terminal type.
- Supports STP/RSTP/MSTP ring protection.
- Provides hierarchical bandwidth services through rate limiting and traffic shaping in the layer-2 QoS.
- Supports simple network management protocol (SNMP).

## Technical Specifications

Item	S2300-10TFI-DC48	S2300-10TPI-DC48
Power input	DC 12~ 55V	DC 48~55V
Operating temperature	-40~85°C	-40~75°C
POE power	N/A	240W
Switching capacity	20Gbps	
Forwarding rate	14.88Mpps	
MAC Switching	Static configuration and dynamic learning of MAC address Check and clear MAC address Configuring of MAC address aging time Limit on MAC address learning number MAC address filtering function	
VLAN	4K VLAN entries GVRP QinQ Private VLAN Voice VLAN	
Ring protection	802.1D (STP), 802.1W (RSTP), 802.1S (MSTP) BPDU protection, root protection and ring protection	
Multicast	IGMP v1/v2/v3 IGMP Snooping IGMP Fast Leave Multicast group policy and multicast number limit	
DHCP	DHCP Client	

	DHCP Snooping
ACL	L2/L3/L4 ACL IPv4 ACL VLAN ACL
QoS	Traffic classification of each field of L2/L3/L4 protocol headers CAR traffic control 802.1P/DSCP priority remark Multiple queuing algorithms such as SP, WRR or SP+WRR Tail-Drop, WRED Traffic supervision and traffic shaping
Security features	Identification and filtering of L2/L3/L4-based ACL Defend against DOS or TCP attacks Suppression of broadcast, multicast and unknown uni-cast packet Port isolation Port security, IP+MAC+port binding DHCP snooping, DHCP option82 IEEE 802.1x authentication Radius authentication Command line hierarchical protection
Reliability	Static/Dynamic LACP
Management and maintenance	Console, Telnet, SSH 2.0 Browser-based WEB management SNMP v1/v2/v3 Upload and download files through TFTP

## Order Information

Product Model	Description
<b>S2300 Series</b>	
S2300-10TFI-DC48	Managed industrial switch with 2 Gigabit SFP ports and 8 Gigabit TX ports; industrial DC 12~55V power input, operating temperature: -40~85°C; lightning protection level of 6KV; IP40; DIN-rail installation.
S2300-10TPI-DC48	Managed industrial switch with 2 Gigabit SFP ports and 8 Gigabit TX POE ports; 240W POE, industrial DC 48~55V power input, operating temperature: -40~75°C; lightning protection level of 6KV; IP40; DIN-rail installation.

