

S2000 Series

Smart Managed Industrial Switch



- Support MDI/MDI-X auto-adaptation
- Support half-duplex, full-duplex, self-negotiation working mode
- Supports dual redundant power supply

Product Overview

The S2000 series is a line of industrial-grade managed Layer 2 switches featuring a compact design, dual redundant power, and intuitive WEB management. With ultra-low power consumption and compliance with industrial EMC standards, they deliver reliable gigabit Ethernet connectivity for harsh environments. Ideal for smart cities, transportation, safe cities, new energy, and Industry 4.0, these switches provide robust, energy-efficient networking for industrial automation and IoT deployments.

Feature & Specification

Attribute	S2000-4T1S-IK	S2000-4T2S-IK
Port	4*10/100/1000M Base-T RJ45 port 1*10/100/1000M Base-X SFP port	4*10/100/1000M Base-T RJ45 port 2*10/100/1000M Base-X SFP port
Power Supply	Terminal block with 4PIN 5.08mm spacing, support redundant power supply; DC 12V/24V/48V rated input, and the maximum input range: DC 10~60V.	
Power	≤ 5W (Non-POE); ≤125W (POE)	
Temperature	-40°C~75°C, 5%~95%, Non-condensing	
Heat Dissipation Mode	Natural, Fanless	
Dimensions (L*W*H)	118*90*28mm	
Structure and Materials	IP40, all-metal housing	
Weight	≤300g	
Installation	DIN-rail installation	
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±6kV (contact), ±8kV (air) IEC61000-4-3(RS) 10V/m (80MHz~1GHz) IEC61000-4-4(EFT) Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge) Power Port: ±4kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6(CS) 10V (150kHz~80MHz) IEC 60068-2-27(Impact) IEC 60068-2-32(Free fall) IEC 60068-2-6(Vibration)	
Software Feature		
Vlan	4K VLANs, 802.1Q tagging, and Access/Trunk/Hybrid modes	
Qos	Supports 802.1p COS, DSCP, and 4 priority queues (WRR/HQ-WRR)	
Storm Suppression	Blocks broadcast/unknown multicast/unicast storms	
IGMP	Support IGMP Snooping	
Port mirroring	Supports one-to-one/many and bidirectional mirroring	
Security & Access Control	4K MAC table, IEEE 802.1x authentication, and user password protection	
Management	GUI-based configuration and SNMP v1/v2c	

S2000 Series

Smart Managed Industrial Switch



- 8* Gigabit Ethernet ports
- Support 10/100/1000M auto-adaptation
- Support MDI/MDI-X auto-adaptation
- Support half-duplex, full-duplex, self-negotiation working mode
- Supports dual redundant power supply
- Forwarding capacity: 16Gbps

Product Overview

The S2000-8T-IK is an industrial-grade Layer 2 managed Ethernet switch featuring a compact rugged design, intuitive web management interface, and dual redundant power supply for reliable operation. With ultra-low power consumption and industrial EMC compliance, this energy-efficient gigabit switch is built for demanding environments. Ideal for smart cities, transportation systems, industrial automation, and new energy applications, it delivers robust, high-speed connectivity for Industrial Internet solutions. The switch's hardened design meets strict industrial standards while maintaining operational simplicity.

Feature & Specification

Attribute	S2000-8T-IK
Port	8*10/100/1000M Base-T RJ45 port
Power Supply	Terminal block with 5PIN 3.81mm spacing, support redundant power supply; DC 12V/24V/48Vrated input, and the maximum input range is DC 10~60V
Power	≤ 5W
Temperature	Working Temperature: -40°C~75°C, 5%~95%, Non-condensing Storage Temperature: -40°C ~ 85°C, 5%~95%, Non-condensing
Heat Dissipation Mode	Natural, Fanless
Dimensions (L*W*H)	101*90*41mm
Structure and Materials	IP40, all-metal housing
Weight	≤300g
Installation	DIN-rail installation
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±6kV (contact), ±8kV (air) IEC61000-4-3(RS) 10V/m (80MHz~1GHz) IEC61000-4-4(EFT) Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge) Power Port: ±4kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6(CS) 10V (150kHz ~ 80MHz) IEC 60068-2-27(Impact) IEC 60068-2-32(Free fall) IEC 60068-2-6(Vibration)
Software Feature	
Vlan	4K VLANs, 802.1Q tagging, and Access/Trunk/Hybrid modes
Qos	Supports 802.1p COS, DSCP, and 4 priority queues (WRR/HQ-WRR)
Storm Suppression	Blocks broadcast/unknown multicast/unicast storms
IGMP	Support IGMP Snooping
Port mirroring	Supports one-to-one/many and bidirectional mirroring
Security & Access Control	4K MAC table, IEEE 802.1x authentication, and user password protection
Management	GUI-based configuration and SNMP v1/v2c

S2000 Series

Smart Managed Non-POE and POE Industrial Switch



- POE Series support IEEE802.3af/at POE
- Support 10/100/1000M auto-adaptation
- SFP Fiber support 100/1000M
- Support MDI/MDI-X auto-adaptation
- Support half-duplex, full-duplex, self-negotiation working mode
- Supports dual redundant power supply

Product Overview

The S2000 Series is a line of ruggedized Layer 2 managed industrial Ethernet switches designed for extreme environments, featuring -40~75°C wide-temperature operation, earthquake-resistant construction, corrosion/salt-spray resistance, and surge/ESD protection on all ports. Supporting 10-60V DC redundant power input, these switches deliver mission-critical reliability for Industrial IoT applications including video surveillance, industrial automation, traffic control, and utility systems (oilfields, hydropower). Their hardened design combined with industrial-grade networking features ensures stable, high-availability connectivity for harsh operational conditions.

Feature & Specification

Attribute	S2000-4T4S-IK	S2000-8T4S-IK	S2000-8TP2S-IK	S2000-8TP4S-IK
Port	4*10/100/1000M RJ45 port 4*10/100/1000M SFP port	8*10/100/1000M RJ45 port 4*10/100/1000MSFP port	8*10/100/1000M RJ45 POE port 2*10/100/1000MSFP port	8*10/100/1000M RJ45 POE port 4*10/100/1000MSFP port
Power Supply	Terminal block with 6PIN 5.08mm spacing, support redundant power supply; DC 12V/24V/48Vrated input, and the maximum input range is DC 10~60V And POE series support DC 44~57V input.			
Power	≤10W(Non-POE), ≤135W(POE)			
Temperature	Working Temperature: -40°C~75°C, 5%~95%, Non-condensing Storage Temperature: -40°C ~ 85°C, 5%~95%, Non-condensing			
Heat Dissipation Mode	Natural, Fanless			
Dimensions (L*W*H)	135*110*50mm			
Structure and Materials	IP40, Aluminum alloy			
Weight	≤500g			
Installation	DIN-rail installation			
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±6kV (contact), ±8kV (air) IEC61000-4-3(RS) 10V/m (80MHz~ 1GHz) IEC61000-4-4(EFT) Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge) Power Port: ±4kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6(CS) 10V (150kHz~ 80MHz) IEC 60068-2-27(Impact) IEC 60068-2-32(Free fall) IEC 60068-2-6(Vibration)			
Software Feature				
Vlan	4K VLANs, 802.1Q tagging, and Access/Trunk/Hybrid modes			
Qos	Supports 802.1p COS, DSCP, and 4 priority queues (WRR/HQ-WRR)			
Storm Suppression	Blocks broadcast/unknown multicast/unicast storms			
IGMP	Support IGMP Snooping			
Port mirroring	Supports one-to-one/many and bidirectional mirroring			
Security & Access Control	IEEE 802.1x authentication, user password protection, and 4K MAC address table			
Management	Web GUI and SNMP v1/v2c			

S2000 Series

Smart Managed Industrial Switch



- Standard: IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z
- Support 10/100/1000Mbit/s transmission rate adaptation
- Support MDI/MDIX adaptation
- Support half duplex, full duplex and self-negotiation working modes

Product Overview

The S2000 series comprises industrial smart-managed Layer 2 Ethernet switches designed for extreme environments, featuring wide-temperature operation (-40~80°C), earthquake-resistant construction, corrosion/salt-spray resistance, and surge/ESD protection on all ports with 10-60V DC redundant power. These energy-efficient switches deliver reliable IIoT connectivity for industrial automation, video surveillance, traffic control, utility systems (oilfields, hydropower), and smart infrastructure, combining rugged durability with advanced networking capabilities for mission-critical operations.

Feature & Specification

Attribute	S2000-6T2S-IK	S2000-8T2S-IK	S2000-16T-IK	S2000-16T2S-IK
Port	6*10/100/1000M RJ45 port 2*10/100/1000M SFP port	8*10/100/1000M RJ45 port 2*10/100/1000M SFP port	16*10/100/1000M RJ45 port	16*10/100/1000M RJ45 port 2*10/100/1000M SFP port
Power Supply	Terminal block with 6PIN 5.08mm spacing, support redundant power supply; DC 12V/24V/48V rated input, and the maximum input range is DC 10~60V.			
Power	≤ 7W		15W	
Temperature	Working Temperature: -40°C~80°C, 5%~95%, Non-condensing Storage Temperature: -40°C ~ 85°C, 5%~95%, Non-condensing		Working Temperature: -40°C~75°C, 5%~95%, Non-condensing Storage Temperature: -40°C ~ 85°C, 5%~95%, Non-condensing	
Heat Dissipation Mode	Natural, Fanless			
Dimensions (L*W*H)	135*110*50mm		150*130mm*62mm	
Structure and Materials	IP40, Aluminum alloy			
Weight	≤600g		≤1KG	
Installation	DIN-rail installation			
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±6kV (contact), ±8kV (air) IEC61000-4-3(RS) 10V/m (80MHz ~ 1GHz) IEC61000-4-4(EFT) Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge) Power Port: ±4kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6(CS) 10V (150kHz ~ 80MHz) IEC 60068-2-27(Impact) IEC 60068-2-32(Free fall) IEC 60068-2-6(Vibration)			
Software Feature				
Vlan	4K VLANs, 802.1Q tagging, and Access/Trunk/Hybrid modes			
Qos	Supports 802.1p COS, DSCP, and 4 priority queues (WRR/HQ-WRR)			
Storm Suppression	Blocks broadcast/unknown multicast/unicast storms			
IGMP	Support IGMP Snooping			
Port mirroring	Supports one-to-one/many and bidirectional mirroring			
Security & Access Control	IEEE 802.1x authentication, user password protection, and 4K MAC address table			
Management	Web GUI and SNMP v1/v2c			

S2000 Series

Smart Managed Industrial Cases Switch



- Standard: IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z
- Support 10/100/1000Mbps transmission rate
- Support MDI/MDIX
- Support half duplex, full duplex and self-negotiation working modes

Product Overview

The S2000 Series comprises industrial-grade, Layer 2 smart managed Ethernet switches designed for extreme environments, featuring wide-temperature operation (-40~75°C), earthquake-resistant construction, salt spray corrosion resistance, and surge/ESD protection on all ports with 10-60V DC redundant power input. These energy-efficient switches deliver high-speed, reliable connectivity for Industrial IoT (IIoT) applications, including video surveillance, industrial automation, traffic control, building management, and utility automation (oilfields, hydropower). Their ruggedized design and advanced networking capabilities ensure robust performance in harsh industrial settings while maintaining operational simplicity.

Feature & Specification

Attribute	S2000-5T2S-I	S2000-1T4TP1S-I	S2000-8T-I	S2000-8T2S-I
Port	5*1G RJ45 port 2*1G SFP port	4*1G RJ45 POE port 1*1G RJ45 port 1*1G SFP port	8*1G RJ45 port	8*1G RJ45 port 2*1G SFP port
Power	≤ 7W			
Temperature	Working Temperature: -40°C~75°C, 5%~95%, Non-condensing Storage Temperature: -40°C ~ 85°C, 5%~95%, Non-condensing			
Heat Dissipation Mode	Natural, Fanless			
Dimensions (L*W*H)	160*105*28mm		205*105*28mm	
Structure and Materials	IP40, Aluminum alloy			
Weight	≤300g			
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±6kV (contact), ±8kV (air) IEC61000-4-3(RS) 10V/m (80MHz ~ 1GHz) IEC61000-4-4(EFT) Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge) Power Port: ±4kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6(CS) 10V (150kHz ~ 80MHz) IEC 60068-2-27(Impact) IEC 60068-2-32(Free fall) IEC 60068-2-6(Vibration)			

Software Feature	
Vlan	4K VLANs, 802.1Q tagging, and Access/Trunk/Hybrid modes
Qos	Supports 802.1p COS, DSCP, and 4 priority queues (WRR/HQ-WRR)
Storm Suppression	Blocks broadcast/unknown multicast/unicast storms
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