

S3000 Series

Full Managed Industrial Switch



- Support MDI/MDI-X auto-adaptation
- Support half-duplex, full-duplex, self-negotiation working mode
- Supports dual redundant AC100~240V or DC100~300V power supply

Product Overview

The S3000 series are industrial-grade Layer 2/3 managed Ethernet switches designed for high performance, reliability, and easy deployment in demanding environments. Offering various configurations with multiple Gigabit and fiber optic ports, they support large-scale industrial network applications. With optional dual power inputs, a sealed fanless design, and strong resistance to temperature extremes, EMI, shock, and vibration, they ensure stable operation in harsh conditions. These switches are ideal for Industrial IoT (IIoT) and widely used in industrial automation, traffic systems, mining, oilfields, hydropower, power grids, and data centers—delivering efficient, reliable, and secure network infrastructure.

Feature & Specification

Attribute	S3000-8TS18S-IR	S3000-12T14S-IR	S3000-16T10S-IR	S3000-20T6S-IR
Port	8*10/100/1000M RJ45 port 18*10/100/1000M SFP port	12*10/100/1000M RJ45 port 14*10/100/1000M SFP port	16*10/100/1000M RJ45 port 10*10/100/1000M SFP port	20*10/100/1000M RJ45 port 6*10/100/1000M SFP port
Power Supply	AC 100~240VAC, 50/60Hz ; DC 100~300VDC (Note: Dual redundant power input is customizable and optional.)			
Power	≤ 18W			
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)	440*280*44mm			
Structure and Materials	IP40, all-metal housing			
Weight	≤3KG			
Installation	Desktop type, Rack-mounted type			
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±8kV (contact), ±15kV (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: ±6kV/DM, ±6kV/CM; Data Port: ±4kV 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

Spanning-tree	Supports STP, RSTP, MSTP
Industrial Ring Network	Fast convergence time (<20ms)
VLAN	Supports 802.1Q, Access, Trunk, Hybrid
QoS	Prioritizes traffic with 3 scheduling methods: SP, WRR, WFQ
Port Aggregation	Up to 8 groups, load balancing
Flow Control	Supports IEEE 802.3x flow control
Security Features	802.1x authentication, password protection
Management	System management includes configuration backup, user control, and remote access via CLI, Telnet, Console, and Web GUI.

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Product Overview

The S3000 series is a Layer 2/3 industrial 10-Gigabit managed Ethernet switch designed for high performance, reliability, and easy installation. It offers versatile port configurations, including Gigabit copper, high-density Ethernet, and fiber optic ports, making it ideal for large-scale industrial applications. Built with next-generation Ethernet chips and advanced architecture, the series provides energy-efficient, eco-friendly networking solutions. The S3000 series supports video surveillance, industrial automation, intelligent transportation, building management, and data center monitoring. It enables flexible networking across access, aggregation, and core layers, ensuring stable performance in diverse industrial and enterprise environments.

Feature & Specification

Attribute	S3000-8T20S4X-IR	S3000-12T16S4X-IR	S3000-16T12S4X-IR	S3000-20T8S4X-IR	S3000-24T4S4X-IR
Port	8*1G RJ45 port 20*1G SFP port 4*10G SFP+ port	12*1G RJ45 port 16*1G SFP port 4*10G SFP+ port	16*1G RJ45 port 12*1G SFP port 4*10G SFP+ port	20*1G RJ45 port 8*1G SFP port 4*10G SFP+ port	24*1G RJ45 port 4*1G SFP port 4*10G SFP+ port
Power Supply	AC 100~240VAC, 50/60Hz; DC 100~300VDC				
Power	≤ 35W				
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)	440*300*44mm				
Structure and Materials	all-metal housing				
Weight	≤4KG				
Installation	Desktop type, Rack-mounted type				
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±8kV (contact), ±15kV (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: ±6kV/DM, ±6kV/CM; Data Port: ±4kV 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					
Industrial Ring Network	Fast convergence time (<20ms)				
VLAN	Supports 802.1Q, Access, Trunk, Hybrid				
QoS	Prioritizes traffic with 3 scheduling methods: SP, WRR, WFQ				
Flow Control	Supports IEEE 802.3x flow control				
Security Features	802.1x authentication, password protection				
Management	System management includes configuration backup, user control, and remote access via CLI, Telnet, Console, and Web GUI.				

S3000 Series

Full Managed Industrial Switch



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

Product Overview

The S3000 series are compact, fully managed Layer 2/3 industrial Ethernet switches, built to withstand extreme temperatures, electromagnetic interference, salt fog, vibrations, and shocks. Featuring redundant DC power supplies, they deliver reliable performance for Industrial IoT applications. With next-generation Ethernet chips and an innovative design, they offer energy-efficient, eco-friendly solutions. These switches are widely used in video surveillance, industrial control, traffic systems, automation in mining, oil fields, hydropower stations, power systems, and data centers. The S3000 series ensures stable, efficient operation in demanding environments, supporting a robust Industrial IoT infrastructure.

Feature & Specification

Attribute	S3000-4T2S-IK	S3000-6T2S-IK	S3000-8T2S-IK	S3000-4T4S-IK	S3000-8T4S-IK
Port	4*1G RJ45 port 2*1G SFP port	6*1G RJ45 port 2*1G SFP port	8*1G RJ45 port 2*1G SFP port	4*1G RJ45 port 4*1G SFP port	8*1G RJ45 port 4*1G 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	≤ 15W				
Temperature	Working Temperature: -40°C~80°C, 5%~95%, Non-condensing Storage Temperature: -40°C~85°C, 5%~95%, Non-condensing				
Heat Dissipation Mode	Natural, Fanless				
Bandwidth	56G				
Dimensions (L*W*H)	135*110*50mm				
Structure and Materials	IP40, all-metal housing				
Weight	≤500g				
Installation	DIN-rail installation				
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±8kV (contact), ±15kV (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: ±2kV/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					
Industrial Ring Network	Fast convergence time (<20ms)				
VLAN	Supports 802.1Q, Access, Trunk, Hybrid				
QoS	Prioritizes traffic with 3 scheduling methods: SP, WRR, WFQ				
Flow Control	Supports IEEE 802.3x flow control				
Security Features	802.1x authentication, password protection				
Management	System management includes configuration backup, user control, and remote access via CLI, Telnet, Console, and Web GUI.				

S3000 Series

Full Managed Industrial Switch



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

Product Overview

The S3000 series are compact, fully managed Layer 2/3 industrial Ethernet switches, built to withstand extreme temperatures, electromagnetic interference, salt fog, vibrations, and shocks. Featuring redundant DC power supplies, they deliver reliable performance for Industrial IoT applications. With next-generation Ethernet chips and an innovative design, they offer energy-efficient, eco-friendly solutions. These switches are widely used in video surveillance, industrial control, traffic systems, automation in mining, oil fields, hydropower stations, power systems, and data centers. The S3000 series ensures stable, efficient operation in demanding environments, supporting a robust Industrial IoT infrastructure.

Feature & Specification

Attribute	S3000-8T6S/8S/10S-IK	S3000-12T4S/6S-IK	S3000-16T/16T-2S/4S/6S-IK
Port	8*1G RJ45 port 6/8/10*1G SFP port	6*1G RJ45 port 4/6*1G SFP port	8*1G RJ45 port 2/4/6*1G 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	≤ 18W		
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)	150*130*62mm		
Structure and Materials	IP40, all-metal housing		
Weight	≤1KG		
Installation	DIN-rail installation		
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±8kV (contact), ±15kV (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: ±2kV/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			
Spanning-tree	Supports STP, RSTP, MSTP		
Industrial Ring Network	Fast convergence time (<20ms)		
VLAN	Supports 802.1Q, Access, Trunk, Hybrid		
QoS	Prioritizes traffic with 3 scheduling methods: SP, WRR, WFQ		
Port Aggregation	Up to 8 groups, load balancing		
Flow Control	Supports IEEE 802.3x flow control		
Security Features	802.1x authentication, password protection		
Management	System management includes configuration backup, user control, and remote access via CLI, Telnet, Console, and Web GUI.		

S3000 Series

Full Managed Industrial POE Switch



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

Product Overview

The S3000-8T POE series are Layer 2/3 fully managed industrial Ethernet switches with POE/POE+ support. Built to endure extreme temperatures, electromagnetic interference, salt fog, vibrations, and shocks, they are ideal for industrial environments. With redundant DC power supplies, these switches offer reliable, efficient solutions for the Industrial IoT. Supporting 8 Ethernet ports with IEEE802.3af/IEEE802.3at PoE and non-standard PoE, they provide energy-efficient, eco-friendly performance. Featuring next-generation Ethernet chips and innovative design, the S3000-8T series is used in applications like video surveillance, industrial control, traffic systems, automation in mining, oil fields, hydropower, power systems, and data centers, ensuring stable and efficient operations in demanding environments.

Feature & Specification

Attribute	S3000-8TP2S-IK	S3000-8TP4S-IK
Port	8*10/100/1000M RJ45 POE port 2*10/100/1000M SFP port	8*10/100/1000M RJ45 POE port 4*10/100/1000M SFP port
Power Supply	Terminal block with 6PIN 5.08mm spacing, support redundant power supply; DC44~57Vrated 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)	150*110*50mm	
Structure and Materials	IP40, all-metal housing	
Weight	≤700g	
Installation	DIN-rail installation	
Standards	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2(ESD) ±8kV (contact), ±15kV (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: ±2kV/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		
Industrial Ring Network	Fast convergence time (<20ms)	
VLAN	Supports 802.1Q, Access, Trunk, Hybrid	
QoS	Prioritizes traffic with 3 scheduling methods: SP, WRR, WFQ	
Flow Control	Supports IEEE 802.3x flow control	
Security Features	802.1x authentication, password protection	
Management	System management includes configuration backup, user control, and remote access via CLI, Telnet, Console, and Web GUI.	

S3000 Series

Full Managed Industrial Switch



- Support MDI/MDI-X auto-adaptation
- Support half-duplex, full-duplex, self-negotiation working mode
- Supports automatic optical bypass switching in case of port abnormalities or device power loss.
- Supports dual redundant DC power supply

Product Overview

The S3000-8T Bypass series are Layer 2/3 fully managed industrial Ethernet switches with Optical Bypass (BYPASS) functionality, ensuring uninterrupted communication during power loss or device failure by automatically switching the optical network path. Designed to withstand extreme temperatures, electromagnetic interference, salt fog, vibrations, and shocks, these switches are equipped with redundant DC power supplies for reliable operation in industrial environments. They provide energy-efficient, eco-friendly networking solutions for the Industrial IoT. With high reliability and rich features, they are ideal for applications like video surveillance, industrial control, traffic systems, automation in mining, oil fields, hydropower, power systems, and data centers, ensuring stable and efficient operations in demanding industrial settings.

Feature & Specification

Attribute	S3000-8T2S-IK	S3000-8T4S-IK
Port	8*10/100/1000M RJ45 port 2*10/100/1000M SFP port	8*10/100/1000M RJ45 port 4*10/100/1000M SFP port
Wavelength	Single mode 1260~1650nm	
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.	
Power	≤18W	
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)	150*130*62mm	
Structure and Materials	IP40, Aluminum alloy	
Weight	≤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		
Industrial Ring Network	Fast convergence time (<20ms)	
VLAN	Supports 802.1Q, Access, Trunk, Hybrid	
QoS	Prioritizes traffic with 3 scheduling methods: SP, WRR, WFQ	
Flow Control	Supports IEEE 802.3x flow control	
Security Features	802.1x authentication, password protection	
Management	System management includes configuration backup, user control, and remote access via CLI, Telnet, Console, and Web GUI.	