

**USCX3510-8T2S****Web Managed Industrial Ethernet Switch
2x10/1000M SFP, 8x10/100/1000Base-T RJ45****FEATURES**

- ✧ Gigabit access, SFP fiber port uplink
- ✧ Network management and fast ring function
- ✧ Low power consumption, No fan, aluminum shell.
- ✧ Stable and reliable
- ✧ Easy operation and maintenance management

Product Overview

The switch is a full Gigabit WEB managed industrial PoE Ethernet fiber switch. It has 8*10/100/1000Base-T RJ45 ports and 2*100/1000Base-X SFP ports. Each port can support wire-speed forwarding.

The switch has WEB network management function, complete security protection mechanism, ACL/QoS policy and rich VLAN functions, easy to manage and maintain. Support multiple network redundancy protocols STP/RSTP/MSTP(<50ms) ,to improve link backup and network reliability to ensure uninterrupted communication of important applications. According to actual application needs, port management, port flow control, VLAN division, IGMP, security policy and other application service configurations are performed through Web and other network management methods.

The shell is made of aluminum alloy, which has excellent industrial field environmental adaptability, protection level is IP40, support dual redundant power supply, low power consumption and no fan.It is suitable for industrial scenarios such as intelligent transportation, rail transit, electric power industry, mining, petroleum, shipping, metallurgy and green energy construction to establish a cost-effective, stable and reliable communication network.

Specification Parameters

Product Name	Web Managed Industrial Ethernet Switch	
Fixed Port	8x 10/ 100/ 1000Base-T RJ45 ports 2x 100/ 1000Base-X uplink SFP slot ports	
Ethernet Port	Port 1-8 support 10/ 100/ 1000Base-T auto-sensing, full/half duplex, MDI/MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤ 100 meters) 100BASE-TX: Cat5 or later UTP (≤ 100 meters) 1000BASE-T: Cat5e or later UTP (≤ 100 meters)	
SFP Slot Port	Gigabit SFP optical fiber interface, default no include optical modules (Only support single-mode single fiber optical module. LC)	
Wavelength/Distance	Multi-mode: 850nm /0~300M (10G), 850nm /0~500M (1.25G); Single-mode: 1310nm/ 0~40KM, 1550nm/ 0~120KM.	
Network Management Type	Layer 2 (Web Management)	
Ring network	Supports ERPS ring network function, with a maximum number of rings of 5 and a convergence time of <20ms	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-X, IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	20Gbps	
Buffer Memory	14.88Mpps	
MAC	8K	
LED Indicator	Power Indicator Light	P: 1 Green
	Fiber Indicator Light	F: 1 Green
	On the RJ45 seat	Green: Indicates network working status
Reset Switch	Yes, Press and hold the reset switch for 5s and release it to restore the factory settings	
Power Supply	Input: DC12-57V	
Lightning Protection	Lightning protection: 6KV 8/20us; Protection level: IP40 IEC61000-4-2(ESD): ± 8 kV contact discharge, ± 15 kV air discharge IEC61000-4-3(RS): 10V/m(80~ 1000MHz) IEC61000-4-4(EFT): power cable: ± 4 kV; data cable: ± 2 kV IEC61000-4-5(Surge): power cable:CM ± 4 kV/DM ± 2 kV; data cable: ± 4 kV IEC61000-4-6(radio frequency transmission): 10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field): 100A/m;1000A/m, 1s to 3s IEC61000-4-9(pulsed magnet field): 1000A/m IEC61000-4- 10(damped oscillation):30A/m 1MHz IEC61000-4- 12/ 18(shockwave):CM 2.5kV,DM 1kV IEC61000-4- 16(common-mode transmission):30V; 300V, 1s FCC Part 15/CISPR22(EN55022):Class B IEC61000-6-2(Common Industrial Standard)	
Mechanical	IEC60068-2-6 (anti vibration)	

Properties	IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)
Certification	CCC, CE mark, commercial, CE/LVD EN62368- 1, FCC Part 15 Class B, RoHS
Operation TEMP /Humidity	-40~+75°C; 5%~90% RH Non condensing
Storage TEMP /Humidity	-40~+85°C; 5%~95% RH Non condensing
Dimension (LxWxH)	172mmx145mmx54mm
Installation	Desktop, Din Rail
Port Configuration	Auto-negotiation Flow Control Port Mirror: TX/RX/BOTH; Many-to-1 monitor Traffic statistics
Link Aggregation	Static link aggregation LACP Algorithm based on Source/Destination MAC Algorithm based on Source/Destination IP
MAC Table	Aging Time Static MAC address Dynamic MAC address management
VLAN	4094 Active VLANs 4094 VID 802.1Q Tag VLAN Port VLAN Protocol VLAN MAC VLAN Voice VLAN 802.1ad Q-in-Q tunneling Private VLAN (Protected port) GARP/GVRP
ACL	256ACLs L2, L3 e L4 Time-based ACL
Spanning Tree	802.1D Spanning Tree Protocol (STP) 802.1w Rapid Spanning Tree Protocol (RSTP) 802.1s Multiple Spanning Tree Protocol (MSTP) Loop Guard Root Guard TC-BPDU Guard BPDU Guard BPDU Filter
Multicast	256 groups IGMP v1/v2/v3 Snooping, Fast Leave MLD Snooping Multicast VLAN
QoS	port-based

	CoS 802.1p-based CoS DSCP-based Scheduling algorithms SP, WRR, SP+WRR Storm Control (Broadcast, Multicast, Unknown Unicast) Bandwidth control per port
DHCP	SNMP v1/v2c/v3 with Full Private MIBs RMON 4 groups WEB (HTTP/HTTPS) upgrade via web/TFTP Configuration Backup/Reload Dual Firmware LLDP
Security Features	Port Security MAC address filter ARP Association (Manual, ARP scanning, DHCP snooping) ARP Protection DoS (Denial of Service) Classification of packages based on: End.MAC, IP End, TCP / UDP Ports, Protocol Type; 802.1x Authentication (port-based e MAC-based) TACACS/TACACS+ Authentication RADIUS Authentication DHCP Filter Guest VLAN SSLv2/SSLv3/TLSv1 SSHv1/SSHv2 Restriction of WEB access based on: IP Address, And. MAC and Port; Port Isolation Loopback detection
Other Features	DNS Client DHCP Relay DHCP Client DHCP Snooping DHCP Option 82 SNTP Client UDLD
Maintenance	Cable Diagnostics Ping SFP DDM(Digital Diagnostics Monitoring) Thermal protection System log (Local and Remote) Memory and CPU Monitoring

Order Information

Model No.	Description
USCX3510-8T2S	Web Managed Industrial Ethernet Switch, 2x 100/1000M uplink SFP, 8x10/100/1000M Base-T RJ45

Cooperation Consultation: sales@svelol.com Tel: +86 136 32958500 Technical Support: support@svelol.com

©2025 Svelol Networks All Rights Reserved. Version V2.0, updated 2025.05.08.

The information in this document is subject to change without notice.

Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.