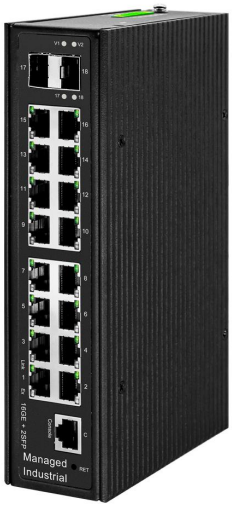
X3550P-16T2S



OVERVIEW

Engineered to operate in extreme temperatures from -40°C to 75°C, X3550P-16T2S is built to withstand the rigors of industrial use. It meets various industry certifications, including FCC, CE, CCC, and RoHS, ensuring compliance with safety and environmental standards. Its reliable industrial design guarantees the continued operation of automation systems, making it ideal for applications in wind power, electric utilities, assembly automation, subway PIS, SCADA systems, sewage treatment, metallurgy, intelligent transportation, rail systems, and military operations. This eco-friendly switch is designed for low power consumption without sacrificing performance.

This series offers advanced network management features including redundant ring support, loop protection, VLAN configuration, Quality of Service (QoS), speed control, port mirroring, and online firmware upgrades. Constructed from industrial-grade components, this switch provides a secure and durable solution for critical industrial communications, featuring redundant, wide-voltage power inputs to ensure uninterrupted operations.

FEATURE

High-Speed Connectivity

X3550-16T2S

16x10/100/1000M RJ45 PoE, 2x1G SFP.

Standards Compliance

Adheres to a comprehensive array of networking standards, including IEEE 802.1d, 802.1w, 802.1s, 802.1p, 802.3, 802.3u, 802.3x, 802.3z, 802.3ab, and 802.3ae

Robust Design

IP40 rated, housed in a rugged high-strength metal case, suitable for DIN35 rail mounting.

Environmental Resilience

EMC Grade 4 design ensuring rugged performance in harsh environments, with operating temperatures from -40° C to 75° C.

Redundant Power Supply

Supports dual power supply access with anti-reverse connection protection.

Surge Protection

6KV general surge immunity, 4KV differential, and 15KV (air) / 8KV (contact) ESD protection.

EMC Compliance

Meets EN55032 standards for electromagnetic compatibility.

SPECIFICATION

X3550P-16T2S	
Port	16x10/100/1000Mbps RJ45 2x100/1000Mbps SFP
PoE Port	Ports 1~2 support IEEE802.3af/at/bt PoE (MAX 90W) Ports 3~16 support IEEE802.3af/at PoE (MAX 30W)
Managing Port	1 console port
Reset Key	1
Power Input	Redundancy supports 2 sets of independent power inputs non-POE: DC 12-57V MAX 2A POE: DC 40-57V MAX 360W
Network protocols	IEEE 802.3x IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z IEEE 802.3ad IEEE 802.3q, IEEE 802.3q/p IEEE 802.1w, IEEE 802.1d, IEEE 802.1S IEEE 802.3z 1000BASE-X STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol)

X3550-16T2S

	EPPS ring network protocol EAPS ring network protocol 802.3af/at/bt(HiPoE)
Network Port Characteristics	1-16 10/100/1000BaseT(X) Automatic detection, full/half duplex MDI/MDI-X adaptive
Forwarding Mode	Store and forward (full line speed)
Bandwidth	56Gbps (No blocking)
Packet Forwarding	41.664Mpps
MAC address table	8K
Cache	4.1 Mbit SRAM Packet Buffer
Jumbo Frames	10000Bytes
Twisted pair transmission	10BASE-T: Cat3,4,5 UTP(≤250 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-TX: Cat6 or later UTP(≤100 meter) SFP: Support 100M/1G/10G single-mode multi-mode optical module, the maximum distance ≤120km (depending on the optical module).
FLASH	16M
RAM	128M
LED indicator	17-18: optical port link LED 1-16 Port RJ45 left: POE LED (orange) RJ45 right: Link LED (green) V1: Mains power indicator V2: Secondary power indicator
Power consumption	No-load power consumption≤3W
Usage environment	operation temperature: -40℃～75℃ storage temperature: -40℃～80℃ Working humidity: 10%～90%, RH Non coagulation Storage Humidity: 5%～90%, RH Non coagulation
Lightning Protection level	Port lightning protection: 6KV 8/20us; 8KV ESD Electrostatic protection Class of protection: IP40
Size (LxWxH)	Product size: 207mmx131mmx50mm Packaging size: 280mmx166mmx79mm
N.W/G.W (kg)	1.45kg/1.62kg
Installation	DIN rail type (separate wall mounting ear)
Warranty	Whole device for 1 year(Accessories not included)