

SKS1200-5GPY1XF Unmanaged 2.5G Ethernet switch

[Product Overview]



The SKS1200-5GPY1XF is a 6-port Ethernet switch with 2.5G access and 10G uplink capabilities, built with a high-performance network chipset for superior speed and reliability. Designed with a fanless silent architecture, it eliminates noise issues commonly associated with small switches, making it ideal for office deployments. This switch features 5x 100/1000/2500M RJ45 ports and 1x 10G SFP uplink port, providing seamless connectivity for 100/1000/2500M Ethernet networks. Easy to manage and maintain, it is well-suited for applications such as security network video surveillance, hotels, campuses, and small to

medium-sized enterprise networks.

[Main Features]

- **Ports:** 5x 100/1000/2500M RJ45 ports + 1x 10G SFP fiber port.
- **Standards Compliance:** IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3ae, IEEE 802.3x.
- **Adaptive Ethernet Ports:** Supports 100/1000/2500M auto-negotiation.
- **Auto MDI/MDIX:** Ports support automatic crossover.
- **Status Monitoring:** LED indicators on the front panel monitor operational status and assist in troubleshooting.
- **Flow Control:** Implements IEEE 802.3x for full-duplex and backpressure for half-duplex operation.
- **Surge and ESD Protection:** Surge protection: Common mode 6KV, differential mode 2KV; ESD protection: Air 8KV, contact 6KV.

[Application Environment]

- **Metropolitan Optical Fiber Broadband Networks:** Designed for telecom operators, cable television providers, network system integrators, and data network service providers.
- **Dedicated Broadband Networks:** Suitable for private networks in industries such as finance, government, petroleum, power, public security, and education.
- **Multimedia Transmission:** Supports integrated transmission of video, voice, and data, ideal for applications like remote education, video conferencing, and video telephony.
- **Real-Time Monitoring:** Enables simultaneous transmission of control signals, video, and data for real-time monitoring applications.

Input/Output Interface	
Power Supply	DC 2.1
Ethernet	5*100/1000/2500M RJ45 ports 1*10G SFP port

Performances	
Backplane Bandwidth	45Gbps
Packet Forwarding Ratio	33.48Mpps
MAC Address Table	4K
Giant Frame	10Kbytes
Forwarding Mode	store-and-forward
MTBF	100000 hours
Network Parameter	
Network Protocol	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab (Gigabit Ethernet) IEEE 802.3bz (5G Ethernet) IEEE 802.3z (Gigabit Ethernet) IEEE 802.3ae (10 Gigabit Ethernet) IEEE 802.3x (Flow Control)
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD)、 EN61000-4-5(Surge)
Network Medium	10Base-T : Cat3, 4, 5 or above UTP/STP(≤100m) 100Base-TX : Cat5 or above UTP/STP(≤100m) 1000Base-TX : Cat5 or above UTP/STP(≤100m)
Fibre Optic Medium	Multimode fibre: 50/125, 62.5/125, 100/140um Single mode fibre: 8/125, 8.7/125, 9/125, 10/125um
Accreditation	
Safety Certification	CE、FCC、RoHS
Environmental Standard	
Working Environment	Working temperature: -10~50°C Storage temperature: -40~70°C Operating humidity: 10%~90%, non-condensing Storage humidity: 5%~95%, non-condensing
Operating Voltage	Adapter input voltage : AC 100-240 V Switch input voltage : DC 12V1A
Power (Output)	Maximum 12W
Functional Instructions	
PWR(Power Supply Indication)	Always on: Normal power on No light: no power on
1-5 Network Port Green Light	Always on: 2.5G link connection is normal Not illuminated: Link is not available Flashing: Data transmission
1-5 Network Port Yellow Light	Always on: 10/100/1000M link connection is normal No light: link is not available Flashing: Data transmission
6 Green Lights	Always on: 10G link connection is normal No light: link is not available Flashing: Data transmission
Physical Specifications	
Structural	Product size: 140*93*28mm

Dimensions	Packing size: 203*160*55mm Product weight: 0.33KG Packing weight: 0.46KG
Packing Information	Outer box size: 580*335*445mm Carton quantity: 40 sets Packing weight: 19.5KG
Packing List	1.Switch 1pcs, 2.Manual 1pcs, 3.Certificate of Conformity 1pcs, Power Adapter 1pcs