



WI-SG310F
8SFP+2GE Gigabit Ports
Unmanaged Fiber Switch
Datasheet

Highlights

- 8SFP+2GE Full Gigabit Fiber Switch
- 20Gbps Switching Capacity
- Power Budget According to Cable Length
- Green Ethernet technology saves the power up to 82%
- Plug and play, no configuration needed

Product



Description

What This Product Does

The WI-TEK 8SFP+2GE 10/100/1000Mbps Fiber Switch WI-SG310F features non-blocking wire-speed architecture with a 48Gbps switching capacity for maximum data throughput. An 4K MAC address table provides scalability for even the largest networks. It also supports 802.3x Flow Control for full-duplex mode, and back pressure flow control for half-duplex mode alleviates traffic congestion and ensures reliable data transmission.

Featured with 8SFP+2GE 10/100/1000Mbps ports, WI-SG310F greatly expands your network capacity, enabling instant large files transferring. So, power users in the home, office, workgroup, or creative production environment can now move large, bandwidth-intensive files faster. Transfer graphics, CGI, CAD, or multimedia files across the network instantly. You now have the choice to go green when upgrading to a gigabit network! This new product WI-SG310F features the latest innovative energy-efficient technologies that can greatly expand your network capacity with much less power. It automatically adjusts power consumption according to the link status and cable length to limit the carbon footprint of your network.

Power down Idle Ports

When a computer or network equipment is off, the corresponding port of a traditional switch will continue to consume considerable amounts of power. The WI-SG310F can automatically detect the link status of each port and reduce the power consumption of ports that are idle.

Power Budget According to Cable Length

Ideally, shorter cables would use less power because of less power degradation over their length; this is not the case with most devices as they will use the same amount of power across the cable regardless of whether it is 10 or 50 meters(32.8 or 164.0 feet) in length. The WI-SG310F 8-Port Gigabit rack-mount switch provides an easy way to make the transition to Gigabit Ethernet. All 8 ports support auto MDI/MDIX, no need to worry about the cable type, simply plug and play. Moreover, with the innovative energy-efficient technology, the WI-SG310F can save up to 40%* of the power consumption, making it an eco-friendly solution for your business network.

Specifications

HARDWARE FEATURES	
Interface	2 10/100/1000Mbps RJ45 Ports 8 SFP Fiber (Auto Negotiation/Auto MDI/MDIX)
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m) 1000BASE-X: MMF, SMF 1000Base-L X:62.5µm/50µm MM(2m~550m) or 10µm SMF(2m~5000m)
Fan Quantity	Fanless
Exchange Capacity	20G
Packet Forwarding Rate	14.9Mpps
Mac Address Table	4K
Packet Buffer Memory	1.5Mb
Jumbo Frame	10240 Bytes

HARDWARE FEATURES

Port VLAN	No
Dimensions	Product Size: 225mm*105mm*32mm (L*W*H)

OTHERS

Certification	CE, FCC, RoHS
Package Contents	Gigabit Switch Electric Line Guide Book/Warranty Card
Environment	Working Temperature: -10°C ~ 55°C Storage temperature : -40°C ~ 70°C Working Humidity : 10% ~ 90% RH non-condensing Storage Humidity: 5% ~ 90% RH non- condensing