



**WI-SG116F**  
**16G+2SFP Gigabit Ports Unmanaged**  
**Fiber Switch**  
**Data sheet**

## Highlights

- 16GE+2SFP rack-mountable Full Gigabit Switch
- 18 Auto-Negotiation, Auto-MDI/MDIX Ethernet ports provide smart switching
- Standard 19-inch rack-mountable steel case
- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x standards
- 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 16+2SFP 10/100/1000Mbps Switch WI-SG116F features non-blocking wire-speed architecture with a 36Gbps switching capacity for maximum data throughput. An 8K 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

16+2SFP 10/100/1000Mbps ports, WI-SG116F greatly expands your network capacity, enabling instant large files transferring. So, power users in the home, office, work group, 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-SG116F 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-SG116F 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-SG116F 16-Port Gigabit rack-mount switch provides an easy way to make the transition to Gigabit Ethernet. All 16 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-SG116F can save up to 40% of the power consumption, making it an eco-friendly solution for your business network.

## Specifications

HARDWARE FEATURES	
<b>Interface</b>	16 10/100/1000Mbps RJ45 Ports 2 SFP Fiber (Auto Negotiation/Auto MDI/MDIX)
<b>Network Media</b>	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)
<b>Fan Quantity</b>	2 Fan
<b>Exchange Capacity</b>	36G
<b>Packet Forwarding Rate</b>	26.72Mpps
<b>Mac Address Table</b>	8K
<b>Packet Buffer Memory</b>	4Mb
<b>Jumbo Frame</b>	10240 Bytes

HARDWARE FEATURES	
<b>Port VLAN</b>	YES
<b>Dimensions</b>	Product Size : 440mm*140mm*45mm (L*W*H)

OTHERS	
<b>Certification</b>	CE, FCC, RoHS
<b>Package Contents</b>	Gigabit Switch Electric Line Guide Book/Warranty Card
<b>Environment</b>	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