WI-Tek
Communication Solution

WI-SG124D
24 Gigabit Ports Unmanaged Switch
Data sheet

www.wireless-tek.com

Highlights

- 24GE Full Gigabit desktop Switch

- 24 Auto-Negotiation, Auto-MDI/MDIX Ethernet ports provide smart switching

- 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

- Support port VLAN(Port isolation) function

Product

Description

What This Product Does

The Wi-Tek 24 10/100/1000Mbps Switch WI-SG124 features non-blocking wire-speed architecture with a 48Gbps 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 24 10/100/1000Mbps ports, WI-SG124greatly 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-SG124 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-SG124 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-SG124 24-Port Gigabit desktop 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-SG124 can save up to 40%* of the power consumption, making it an eco-friendly solution for your business network.

HARDWARE FEATURES	
Interface	24 10/100/1000Mbps RJ45 Ports (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	48G
Packet Forwarding Rate	35.7Mpps
Mac Address Table	8K
Packet Buffer Memory	12Mb
Jumbo Frame	10240 Bytes
Port VLAN	YES

HARDWARE FEATURES	
Dimensions	Product Size： 315mm*150mm*46mm （L*W*H）

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

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