

## Datasheet

# L2 Managed Fiber Ethernet Switch

WI-GS5024



## Overview

Wi-Tek L2+ managed fiber switch provides 8 Gigabit Ethernet RJ-45 ports and 18 Gigabit SFP slots which can provide high-speed connections.

Integrating L2 and L2+ switch's features, Wi-Tek L2+ managed fiber switch are equipped with abundant functions such as VLAN, Port Loop detection, STP/RSTP/MSTP, Link aggregation, QoS, ACL, IGMP Snooping, IPv6 management and Static routing. Besides, Wi-Tek L2+ managed fiber switch can support diverse management methods such as Web management, CLI and Telnet, which facilitates the maintenance and management.

Based on these features, Wi-Tek L2+ managed fiber switch can build a scalable and stable network and provide efficient network solutions, which can be applied in the campus, hospitals and small and medium enterprises.

## Features

### Abundant Features

Wi-Tek L2+ managed fiber switch not only provides general L2 functions such as STP/RSTP/MSTP, Link aggregation, 802.1Q VLAN, IGMP Snooping, supports the L2+ function like static routing which can help route internal traffic for more efficient use of network resources.

### Security Policies

Wi-Tek L2+ managed fiber switch can provide reliable security composed of IP-MAC Port Binding Port Security and DHCP Snooping, which prevent the network from being attacked by the potential threats. In addition, Access Control Lists feature restrict network access by accurately identifying and controlling the packet based on source and destination MAC address, IP address, which can improve the security of network environment and reliability of network quality.

### Advanced QoS

To integrate voice, data and video service on one network, the switch applies rich QoS policies. Administrator can designate the priority of the traffic based on a variety of means including Port Priority, 802.1P Priority and DSCP Priority, to ensure that voice and video are always clear and smooth.

### Easy Network Operation and Maintenance

Wi-Tek L2+ managed fiber switch support daily network diagnosis functions and maintenance such as SNMP, RMON, Syslog, backup logs and configuration. At the same time, administrators can use various management and maintenance methods such as CLI (command line interface), web network management, and TELNET to facilitate device maintenance and management.

# Specifications



Model	WI-GS5024
Hardware Features	
Interfaces	
Downlink Ports	8*10/100/1000Mbps RJ45 Ports
Uplink Ports	18* Gbps SFP Slots
Management Port	1 Console port
Performance	
CPU	RTL8382M
Flash	Flash:128MB
Switch Property	
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.1q, IEEE 802.x, IEEE 802.1p
Forwarding Mode	Store and Forward
Switching Capacity	52 Gbps
Packet Forwarding Rate	38.7 Mpps
MAC Address Table	8 k
Packet Buffer Memory	4.1 MB
Jumbo Frame	9 kB
Power Supply	
Input Power	AC 100–240V, 50/60Hz 24 W
Power Consumption	Idle:24W
Physical Characteristics	
LED Indicators	<p>PWR Indicator:</p> <p>On: the device power on is normal</p> <p>Off: the device is power off or failed</p> <p>SYS Indicator:</p> <p>Off:The system is being started or abnormal</p> <p>Blinking:The system is working normally</p> <p>Link Indicator:</p> <p>Off: No device is connected to the corresponding port.</p>

LED Indicators	<p>On: Indicates the link through that port is successfully established</p> <p>Blinking: Indicates that the Switch is actively sending or receiving data over that port.</p> <p>1000M Indicator:</p> <p>Off: The port negotiated rate is not 1000 Mbps</p> <p>On: The port negotiated rate is 1000 Mbps</p> <p>ML Indicator:</p> <p>Off: No AC Cord connected or Main AC Power supply is broken.</p> <p>On: Main AC Power supply is working normally.</p> <p>SL Indicator:</p> <p>Off: Main AC Power supply is working normally.</p> <p>On: Main AC Power supply is broken and Subordinate AC Power supply is working normally.</p>	
Buttons	Reset: Hold for >5 sec. to restore factory default.	
Fan Quantity	2	
Dimensions (W*D*H)	440mm* 208mm*45mm	
Weight	Net Weight: 2.25 kg	
	Package Weight: 3.14 kg	
Installation	Rack-mounted	
Environmental		
Reliability	Surge Immunity	IEC 61000-4-5 Common mode 6kV Differential mode 2kV
	ESD Protection	IEC 61000-4-2 Contact discharge 6kV Air discharge 8kV
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)	
Storage Temperature	-40°C ~ 70°C(-40°F ~ 158°F)	
Operating Humidity	10 — 90% RH non-condensing	
Storage Humidity	5 — 90% RH non-condensing	
Certification		
Certification	CE, FCC, RoHS, UKCA, RCM	

Software Features

Reliability	Port Loop Detection
	EAPS
	ERPS
	UDLD
	LLDP/LLDP-MED
VLAN	Max 4K VLAN Groups
	802.1q Tagged VLAN
	Voice VLAN
	MAC-Based VLAN
	IP-Based VLAN
	Surveillance VLAN
	QinQ
Port	802.1q-Based VLAN
	LACP
	Jumbo Frame
	Port Shutdown
	Jumbo Frame
	Port Shutdown
	Link Aggregation (Up to 8 aggregation groups and up to 8 ports per group)
Port Mirroring (One-to-One Many-to-One Tx/Rx/Both)	
Security	IP-MAC-Port Binding
	Support Static and Dynamic ARP
	DHCP Snooping
	Port MAC Address Filtering

Security	IEEE802.1x AAA
	RADIUS/TACACS+
	RADIUS
	Port Isolation
	Port Based Authentication
	Secure Command Line Interface (CLI) Management With SSHv1/SSHv2
	Broadcast/Multicast/Uni-cast Storm Control
Access Control List	Standard IP-Based ACL
	Extended IP Based ACL
	MAC IP-Based ACL
	MAC ARP-Based ACL
	IPv6-Based ACL
	ACL Port Filtering
	Time-Based ACL
QoS	Port-Based (you can limit the upstream and downstream traffic of a single port)
	802.1p-based classification
	Support WRR, SP, WFQ
	ACL-Based classification
L2 Multicast	IGMP Snooping V1/V2/V3
	MLD Snooping
	MVR
IPv6	IPv4/IPv6 Dual Protocol Stack
	IPv6 Neighbor Discovery
	Supports manual address configuration, stateless address auto-configuration and address acquisition through DHCP IPv6 client
	Ipv6 TFTP
	Ipv6 SNMP
	ICMP IPv6

IPv6	Pv6 SNMP
	IPv6 Path MTU Discovery
	IPv6 SSH
	Tracert6
Management	Trap/Inform
	CPU Monitoring
	Firmware Upgrade
	Configuration Export/import
	Support SNTP Based IPv4 and IPv6
	DHCP/BOOTP Client



# Package Contents

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
Switch	1 pcs
Quick Installation Guide	1 pcs
Power Cord	2 pcs
Mounting Accessories	Hook x 2, MATS x 4, Screw x 6



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Technical Support



Cloud Management



Company Website