

Cloud L2+ Managed Fiber Switch

WI-CGS5026 Datasheet



Hardware Version:V2

Overview

Wi-Tek PoE Injector is compatible with 802.3af/at/bt and up to 90W power supply. Your IP camera and wireless AP will not be limited by the locations without a power outlet and no additional AC wiring. Most of all, it reduces installation time.

Features

High power PoE output

In the enterprise office network, to isolate network access between different departments to avoid PCs infected by viruses affecting the entire network, it is necessary to divide the interior into different VLANs to isolate the broadcast domain and improve the stability of the network. Wi-Tek Cloud L2+ Managed Fiber Switch provides a convenient and flexible way to divide VLANs, allowing you to assign the ports to different VLANs as needed. Users in different VLANs do not affect each other, creating a more stable network for the users.

Network Quality Guarantee

The switch applies rich QoS policies to integrate voice, data, and video services on one network. Administrators can designate the traffic's priority based on various means, including Port Priority, 802.1P Priority, and DSCP Priority, to ensure that voice and video are always clear and smooth.

High Reliability

Support STP/ RSTP/ MSTP Layer 2 protection technology to ensure the stability of the local area network and include a backup connection to prevent when a working line fails, automatically provide a backup path to ensure that the local network is online for a long time, and network administrators can also effectively suppress broadcast storms through IGMP Snooping technology.

Cloud Management

Wi-TekCloud L2+ Managed Fiber Switch not only supports web interface and CLI management but also supports Wi-Tek Cloud management. Users can view the monitoring network status, make remote configurations, and troubleshoot anywhere and anytime.

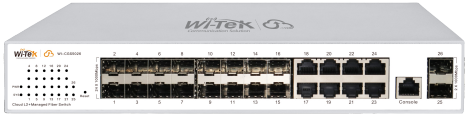
Specifications



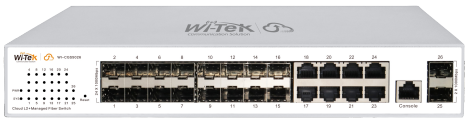
Model	WI-CGS5026
Hardware Version	V2.0
Hardware Features	
Interfaces	
Downlink Ports	8 x 10/100/1000Mbps RJ45 Ports
Uplink Ports	18 x 1000Mbps SFP Slots
Management Port	1 x Console port
Performance	
Memory and Flash	128MB DRAM, 32MB Flash
Switch Property	
Standards and Protocols	IEEE 802.3i, IEEE802.3u, IEEE802.3ab, IEEE 802.3z, IEEE802.1D, IEEE802.1W, IEEE802.1S, IEEE802.1Q, IEEE802.3ad, IEEE802.1X, IEEE802.1p
Forwarding Mode	Store and Forward
Switching Capacity	52 Gbps
Packet Forwarding Rate	38.69 Mpps
MAC Address Table	8 k
Jumbo Frame	10 kB
Power Supply	
Input Power	AC 100–240V, 50/60Hz
Power Consumption	Idle: 115V 60Hz–41.6W 230V 50Hz–40.5W



Model		WI-CGS5026
Physical Characteristics		
LED Indicators		PWR Indicator: On: the device power on is normal Off: the device is power off or failed SYS Indicator: Off: The system is being started or abnormal Blinking: The system is working normally LNK/ACT Indicator (port 1–26): On: Port connected Off: Port disconnected Blinking: Data transmission
Buttons		Reset: Hold for >5 sec. to restore factory default
Fan Quantity		1
Dimensions (W*D*H)		Switch Dimension: 283*180*44mm Package Dimension: 370*230*80mm
Weight		Net Weight: 1.7kg Package Weight: 2.27kg
Installation		Rack–Mount, Desktop
Environmental		
Reliability	Surge Immunity	Differential mode: 4kV Common mode: 2kV
	ESD Protection	Contact discharge: 6kV Air discharge: 8kV
MTBF		70993 H
Operating Temperature		–10°C to 50°C (14°F to 122°F)
Storage Temperature		–40 to 70°C (–40°F to 158°F)
Operating Humidity		10% to 90% RH non–condensing
Storage Humidity		5% to 90% RH non–condensing
Certification		
Certification		CE, FCC, RoHS, UKCA, RCM



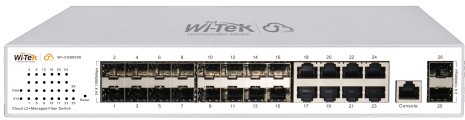
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Software Features	
QoS	8 priority queues
	802.1p CoS/DSCP priority
	Queue scheduling(SP (Strict Priority);WRR (Weighted Round Robin);SP+WRR
	Bandwidth Control(Port/Flow based Rating Limiting)
	Policy Config
	Class-Map Config
	Policy-Map Config
	Policy Mark Config
	Policy Bandwidth
	Policy VLAN
L2+	IPv4/IPv6 Interfaces
	Static Routing(512 static routes)
	Static ARP
	8K ARP Entries
	ARP timeout
	Gratuitous ARP
	DHCP Server
	DHCP Relay
	DHCP L2 Relay
Link Aggregation	Static link aggregation
	802.3ad LACP
	Up to 8 aggregation groups and up to 8 ports per group
Spanning Tree Protocol	802.1d STP
	802.1w RSTP
	802.1s MSTP
	STP Security: TC Protect, BPDU Filter, BPDU Protect, Root Protect, Loop Protect
Loopback Detection	Port-based
	VLAN based



Model	WI-CGS5026
Flow Control	802.3x Flow Control
	HOL Blocking Prevention
Mirroring	Port Mirroring
	CPU Mirroring
	One-to-One
	Many-to-One
	Tx/Rx/Both
L2 Multicast	Supports IPv4/IPv6 IGMP groups
	IGMP Snooping
	IGMP v1/v2/v3 Snooping
	Immediately-leave
	IGMP Snooping Querier
	IGMP Authentication
	IGMP Proxy
	MVR
	MLD Snooping
	MLD v1/v2 Snooping
	Immediately-leave
	MLD Snooping Querier
	Static Group Config
	Limited IP Multicast
	Multicast Filtering



Model	WI-CGS5026
VLAN	VLAN Group
	Max. 4K VLAN Groups
	802.1Q tag VLAN
	MAC VLAN
	Protocol VLAN
	GVRP
	Voice VLAN
	Port-Based QinQ
	Tunnel TPID (0x8100, 0x9100, 0x9200, Protocol ID)
	OUI-Based VLAN
Access Control List	MAC ACL
	Source MAC
	Destination MAC
	Packet Type (Untagged-eth2, Untagged-802.3, Tagged-eth2, Tagged-802.3)
	VLAN ID
	Ether Type
	IP ACL
	Source IP
	Destination IP
	Fragment Packet
	IP Protocol
	IP Precedence
	TCP/UDP Port
	DSCP/IP TOS
	Combined ACL
	IPv6 ACL
	icmp/tcp/udp



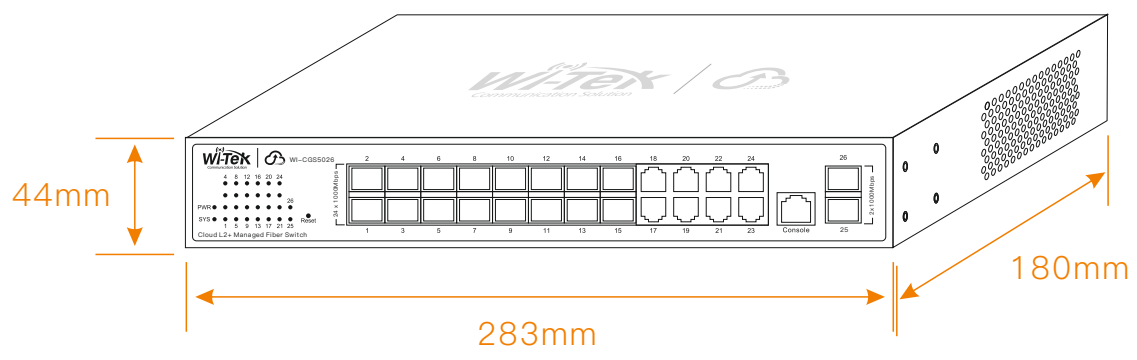
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Access Control List	Mirroring
	Attached Direction(Ingress/Traffic-statistic)
	QoS Remark
	ACL apply to Port/VLAN
	Time-based ACL
Security	IP-MAC-Port Binding
	DHCP Snooping
	ARP Inspection
	IPv4 secure-port
	DHCPv6 Snooping
	snooping remote-id
	snooping subscriber-id
	IPv6 security-ra
	DoS Defend
	DHCP Filter
	Static/Dynamic Port Security
	Broadcast/Multicast/Unicast Storm Control
	kbps/pps control mode
	802.1X
	Port base authentication
	Mac base authentication
	VLAN Assignment
	Guest VLAN
	Support RADIUS authentication and accountability
	AAA (including TACACS+)
	Port Isolation
	Secure web management through HTTPS with SSLv3/TLS 1.2
	Secure Command Line Interface (CLI) management with SSHv1/SSHv2
	IP/Port/MAC-based access control



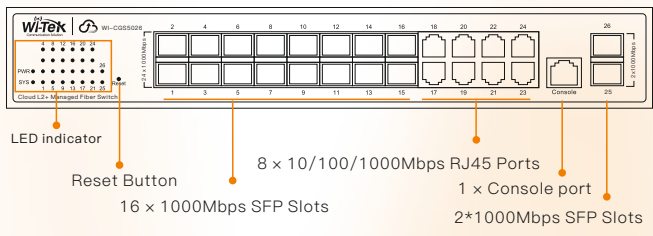
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IPv6	IPv6 Dual IPv4/IPv6
	Multicast Listener Discovery (MLD) Snooping
	IPv6 ACL
	IPv6 Interface
	Static IPv6 Routing
	IPv6 neighbor discovery (ND)
	Path maximum transmission unit (MTU) discovery
	Internet Control Message Protocol (ICMP) version 6
	TCPv6/UDPv6
	IPv6 applications
	DHCPv6 Client
	Ping(v6)
	Tracert(v6)
	Telnet(v6)
	IPv6 SNMP
	IPv6 SSH
	IPv6 SSL
	Http/Https
Advanced Features	802.3ah Ethernet Link OAM
	ERPS
	Cloud Management
	ONVIF(ONVIF Detection,ONVIF Server(NLM))
	Batch Firmware Upgrading
	Intelligent Network Monitoring Abnormal Event Warnings
	Automatic Device Discovery
	Support Remote Management
	Support Cloud VLAN Configuration
	Support Topology Display
	Support Cloud Control Port Configuration

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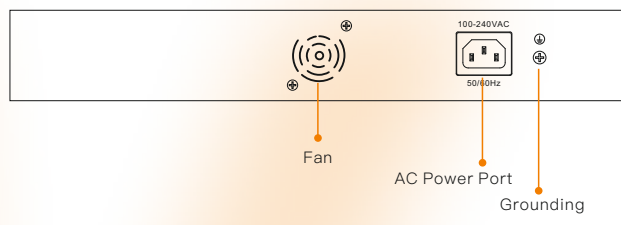
Dimensions (mm)



Front Panel



Rear Panel



Package Contents

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

Items	Quantity
Switch	1 pcs
Quick Installation Guide	1 pcs
Serial line	1 pcs
Power Cord	1 pcs
Mounting Accessories(Hook x 2, MATS x 4, Screw x 8)	1 pcs



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Technical Support



Cloud Management



Company Website