

## Datasheet

# Wi-Tek L3 Managed Cloud Switch

WI-CGS5328-L3



## Overview

Wi-Tek L3 Managed Cloud Switch provide 8\*1000Mbps Combo Ports, 16\*1000Mbps SFP Slots, 4\*10Gbps SFP+ Slots.

Wi-Tek L3 Managed Cloud Switch provides a more efficient, simple, secure and easy-to-use remote management method, which facilitates the convenience of management and maintenance. Wi-Tek L3 Managed Cloud Switch supports intelligent deployment, automatic configuration of networking, abnormal alarms and other functions. As layer 3 Cloud Switch, it supports static routing, but also provides complete security policies, QoS policies, and diversified VLAN functions. Based on Wi-Tek L3 Managed Cloud Switch's features, it is applied in enterprises, communities, hotels, office networks, and campus networks, which can ensure high-efficient network operation.

## Features

### Outstanding Performance

WI-CGS5328-L3 use 4 10GB fibers, which can ensure smooth data delivery for high-bandwidth applications. Based on actual deployment needs, Users can flexibly select 10G fiber or copper ports. WI-CGS5328-L3 can render network aggregation of large-sized enterprises, or core deployment of small to medium-sized networks.

### Abundant L3 Features

WI-CGS5328-L3 support Layer 3 routing protocols that include Static Routing, RIP and OSPF, helping to build scalable, reliable networks. Multicast routing protocols such as MLD V1/V2 Snooping guarantee efficient routing for multicast groups.

### Network Quality Guarantee

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, smooth.

### Cloud Platform Remote Management

Wi-Tek L3 Managed Cloud Switch not only supports web interface and CLI management but also supports Wi-Tek Cloud platform remote management. Users can view the network status, modify the configuration, and troubleshoot anywhere and anytime.

# Specifications



|                          |                                                                                                                                                                                                                                                                                                    |  |  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Model                    | WI-CGS5328-L3                                                                                                                                                                                                                                                                                      |  |  |
| Hardware Specifications  |                                                                                                                                                                                                                                                                                                    |  |  |
| Interfaces               |                                                                                                                                                                                                                                                                                                    |  |  |
| Combo Port               | 8*1000Mbps Combo Ports                                                                                                                                                                                                                                                                             |  |  |
| SFP Slot                 | 16*1000Mbps SFP Slots                                                                                                                                                                                                                                                                              |  |  |
| SFP+ Slot                | 4* 10Gbps SFP+ Slots                                                                                                                                                                                                                                                                               |  |  |
| Management Port          | 1*Console port                                                                                                                                                                                                                                                                                     |  |  |
| Performance              |                                                                                                                                                                                                                                                                                                    |  |  |
| CPU                      | MIPS 800MHz                                                                                                                                                                                                                                                                                        |  |  |
| Memory and Flash         | DRAM:512MB    Flash:32MB                                                                                                                                                                                                                                                                           |  |  |
| Switch Property          |                                                                                                                                                                                                                                                                                                    |  |  |
| Standards and Protocols  | IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.1x, IEEE802.1q , IEEE802.1p, IEEE802.1d, IEEE802.1w,IEEE802.3ad                                                                                                                                                                |  |  |
| Forwarding Mode          | Store and Forward                                                                                                                                                                                                                                                                                  |  |  |
| Switching Capacity       | 128 Gbps                                                                                                                                                                                                                                                                                           |  |  |
| Packet Forwarding Rate   | 96 Mpps                                                                                                                                                                                                                                                                                            |  |  |
| MAC Address Table        | 16 k                                                                                                                                                                                                                                                                                               |  |  |
| Packet Buffer Memory     | 12 MB                                                                                                                                                                                                                                                                                              |  |  |
| Jumbo Frame              | 12 kB                                                                                                                                                                                                                                                                                              |  |  |
| Power Supply             |                                                                                                                                                                                                                                                                                                    |  |  |
| Input Power              | AC 100–240V   50/60 Hz                                                                                                                                                                                                                                                                             |  |  |
| Power Consumption        | Idle:115V 60Hz--16.9W<br>230V 50Hz--16.8W                                                                                                                                                                                                                                                          |  |  |
| Physical Characteristics |                                                                                                                                                                                                                                                                                                    |  |  |
| LED Indicators           | PWR Indicator:<br>On: the device power on is normal<br>Off: the device is power off or failed<br>System Indicator:<br>Off:The device is abnormal<br>Blinking:The device is working normally<br>LNK/ACT Indicator :<br>On: Port connected<br>Off: Port disconnected<br>Blinking: Data transmission. |  |  |



|                          |                                                                 |  |  |
|--------------------------|-----------------------------------------------------------------|--|--|
| Model                    | WI-CGS5328-L3                                                   |  |  |
| Physical Characteristics |                                                                 |  |  |
| Buttons                  | Reset:Hold for >5 sec. to restore factory default.              |  |  |
| Fan Quantity             | 2                                                               |  |  |
| Dimensions (W*D*H)       | 440*260*44mm                                                    |  |  |
| Weight                   | Net Weight: 3.7 kg                                              |  |  |
|                          | Package Weight: 4.38kg                                          |  |  |
| Installation             | Rack– Mounted                                                   |  |  |
| Environmental            |                                                                 |  |  |
| Reliability              | Surge Immunity:<br>Differential mode ±2KV<br>Common mode ±4KV   |  |  |
|                          | ESD Protection:<br>Contact discharge ±6KV<br>Air discharge ±8KV |  |  |
| Operating Temperature    | –10℃–50℃ (14°F–122°F)                                           |  |  |
| Operating Humidity       | –40℃– 70 ℃ (–40°F–158°F)                                        |  |  |
| Storage Temperature      | 10– 90% RH non–condensing                                       |  |  |
| Storage Humidity         | 5– 90% RH non–condensing                                        |  |  |
| Certification            |                                                                 |  |  |
| Certification            | CE, FCC, RoHS, UKCA, RCM                                        |  |  |



Model

WI-CGS5328-L3

Software Features

|                    |                    |                       |
|--------------------|--------------------|-----------------------|
| System Config      | Device Info        |                       |
|                    | IP Config          | Static IP             |
|                    |                    | Dynamic               |
|                    | Web Config         | Web Timeout           |
|                    |                    | HTTP                  |
|                    |                    | HTTPS                 |
|                    |                    | Security IP           |
|                    | User Management    | ACL                   |
|                    |                    | User Management       |
|                    | Firmware Upgrade   | Authentication Method |
|                    |                    | TFTP Service          |
|                    |                    | FTP Service           |
|                    | IPV4 ACL / IPV6ACL | HTTP Upgrade          |
|                    |                    | TFTP                  |
|                    | NTP                |                       |
|                    | User Priority      |                       |
| Monitor Management | Device Management  | Device Reboot/Reset   |
|                    |                    | Device Utilization    |
|                    |                    | View System Config    |
|                    |                    | View Logging Buffer   |
|                    |                    | View Logging Flash    |
|                    | SSH Config         |                       |
|                    | Telnet Config      |                       |
|                    | Port Statistics    |                       |
|                    | DDMI Status        |                       |
|                    | Ping               |                       |
|                    | Traceroute         |                       |
|                    | Cable Diagnostics  |                       |





|                    |                    |  |                     |
|--------------------|--------------------|--|---------------------|
| Model              |                    |  | WI-CGS5328-L3       |
| Software Features  |                    |  |                     |
| Monitor Management | SNMP Config        |  | Global Config       |
|                    |                    |  | User Config         |
|                    |                    |  | Group Config        |
|                    |                    |  | Community Config    |
|                    |                    |  | View Config         |
|                    |                    |  | Security IP Config  |
|                    |                    |  | SNMP Statistics     |
|                    | Onvif Config       |  | Server Config       |
|                    |                    |  | Detect Config       |
|                    | Loopback Detection |  | Port Mode           |
|                    |                    |  | VLAN Loopback       |
|                    | MQTT Configure     |  | Enable              |
|                    |                    |  | Disable             |
|                    |                    |  | Discovery Configure |
|                    | LLDP Config        |  | Global Config       |
|                    |                    |  | Port Config         |
|                    |                    |  | TLV Config          |
|                    |                    |  | Neighbor Info       |
| Switch Config      | Port Config        |  | Port Config         |
|                    |                    |  | Port 10G Mode       |
|                    | Port Mirror        |  |                     |
|                    | Port Isolate       |  |                     |
|                    | Port Channel       |  | Jumbo Frame         |
|                    |                    |  | Port Rate           |
|                    |                    |  | Storm Control       |
|                    | MAC Address Config |  | Static MAC          |
|                    |                    |  | Black Hole MAC      |
|                    |                    |  | Aging-time          |
|                    |                    |  | MAC Address List    |



|                   |                   |                       |  |
|-------------------|-------------------|-----------------------|--|
| Model             |                   | WI-CGS5328-L3         |  |
| Software Features |                   |                       |  |
| VLAN Config       | VLAN Config       | VLAN ID               |  |
|                   |                   | Show VLAN             |  |
|                   |                   | Port Config           |  |
|                   | GVRP Config       | GVRP Config           |  |
|                   |                   | GVRP Port             |  |
|                   | QINQ              | Enable Dot1q Tunnel   |  |
|                   |                   | Dot1g Tunnel TPID     |  |
| Protocol VLAN     |                   |                       |  |
| DHCP Config       | DHCP Server       | Global Config         |  |
|                   |                   | Create Address Pool   |  |
|                   |                   | Dynamic Pool          |  |
|                   |                   | Default Gateway       |  |
|                   |                   | DNS Server            |  |
|                   |                   | Excluded Address      |  |
|                   |                   | Packet Statistics     |  |
|                   |                   | Client List           |  |
|                   | DHCP Snooping     | Global Config         |  |
|                   |                   | VLAN Config           |  |
|                   |                   | Static User Binding   |  |
|                   |                   | Helper-server Config  |  |
|                   |                   | Port Binding          |  |
|                   |                   | Trust Port            |  |
| ACL Config        | Time Range Config |                       |  |
|                   | IP ACL            | IP Standard ACL       |  |
|                   |                   | IP Extended ACL(ICMP) |  |
|                   |                   | IGMP                  |  |
|                   |                   | TCP                   |  |



|                   |                     |                      |               |  |  |
|-------------------|---------------------|----------------------|---------------|--|--|
| Model             |                     |                      | WI-CGS5328-L3 |  |  |
| Software Features |                     |                      |               |  |  |
| ACL Config        | IP ACL              | EIGRP                |               |  |  |
|                   |                     | GRE                  |               |  |  |
|                   |                     | IGRP                 |               |  |  |
|                   |                     | IPINIP               |               |  |  |
|                   |                     | OSPF                 |               |  |  |
|                   |                     | IP                   |               |  |  |
|                   |                     | Specified Protocol   |               |  |  |
|                   | MAC ACL             | MAC Standard ACL     |               |  |  |
|                   |                     | MAC Extended ACL     |               |  |  |
|                   | MAC-IP Extended ACL |                      |               |  |  |
| ACL Binding       | Binding Port        |                      |               |  |  |
|                   | Binding Vlan        |                      |               |  |  |
| Ring Network      | Spanning-tree       | Global Properties    |               |  |  |
|                   |                     | Instance Mapping     |               |  |  |
|                   |                     | Instance Properties  |               |  |  |
|                   |                     | Port Config          |               |  |  |
|                   |                     | Port Instance        |               |  |  |
|                   |                     | Status               |               |  |  |
|                   | ERPS                | ERPS Ring Config     |               |  |  |
|                   |                     | ERPS Instance Config |               |  |  |
|                   |                     | View ERPS Statistics |               |  |  |
| Route Config      | Static Route        |                      |               |  |  |
|                   | RIP Route           | Basic Config         |               |  |  |
|                   |                     | Network Config       |               |  |  |
|                   |                     | Passive Interface    |               |  |  |
|                   |                     | Neighbor Config      |               |  |  |
|                   |                     | Interface Config     |               |  |  |
|                   | OSPF Route          | Basic Config         |               |  |  |
|                   |                     | Network Config       |               |  |  |
|                   |                     | Passive Interface    |               |  |  |
|                   |                     | Area Config          |               |  |  |
|                   |                     | Interface Config     |               |  |  |
| Routing Table     |                     |                      |               |  |  |

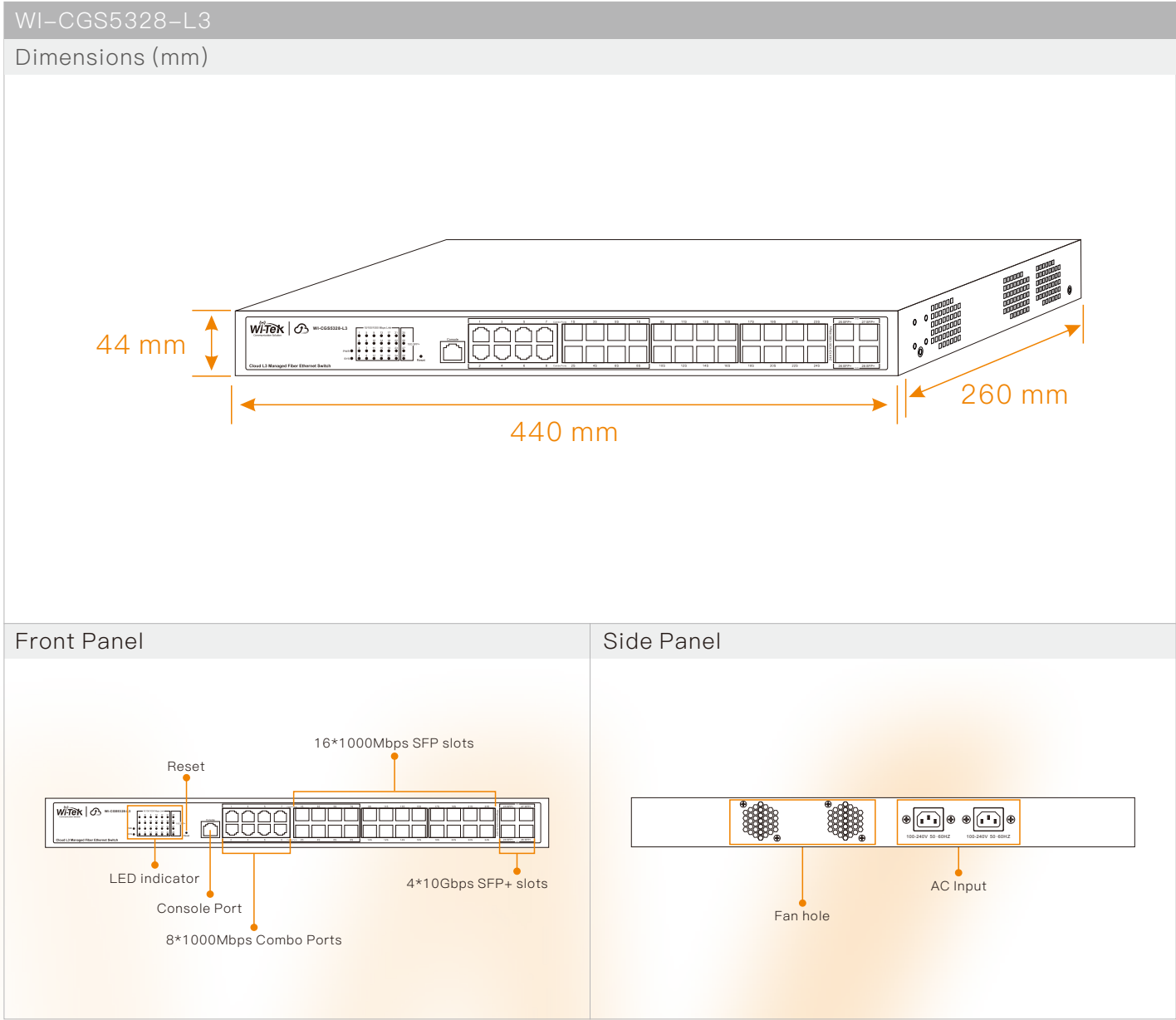


|                        |                      |                       |
|------------------------|----------------------|-----------------------|
| Model                  | WI-CGS5328-L3        |                       |
| Software Features      |                      |                       |
| Multicast Manage       | IGMP Snooping Config | Basic Config          |
|                        |                      | Static Router Port    |
|                        |                      | VLAN Config           |
|                        |                      | Querier Config        |
|                        |                      | Multicast Table       |
|                        | MLD Snooping Config  | Basic Config          |
|                        |                      | Static Router Port    |
|                        |                      | VLAN Config           |
|                        |                      | Querier Config        |
|                        |                      | Multicast Table       |
| QoS Config             | Port Config          | Trust Config          |
|                        |                      | Weight Config         |
|                        |                      | CoS-To-IntP Map       |
|                        |                      | DSCP-To-IntP Map      |
|                        |                      | Policy Config         |
|                        | Class-Map Config     | Class-Map Config      |
|                        |                      | Class-Map Rule Config |
|                        | Policy-Map Config    | Policy Name Config    |
|                        |                      | Policy Class Config   |
| IPv6 Related Function  | IPv6 Basic           | IPv6 ND Snooping      |
|                        | DHCPv6               | DHCPv6 Server         |
|                        |                      | DHCPv6 Relay          |
|                        |                      | DHCPv6 Snooping       |
|                        |                      | IPv6 SAVI             |
|                        |                      | Security RA           |
|                        | IPv6 Unicast Routing | Static Route          |
| Ipv6 Multicast Routing | MLD v1/V2 Snooping   |                       |



|                       |               |                              |  |
|-----------------------|---------------|------------------------------|--|
| Model                 |               | WI-CGS5328-L3                |  |
| Software Features     |               |                              |  |
| IPv6 Related Function | IPv6 Features | SNMP over IPv6 Support       |  |
|                       |               | HTTP over IPv6 Support       |  |
|                       |               | SSH over IPv6 Support        |  |
|                       |               | DNS over IPv6 Support        |  |
|                       |               | IPv6 ping/traceroute Support |  |
|                       |               | IPv6 Telnet Support          |  |
|                       |               | IPv6 Radius+ Support         |  |
|                       |               | IPv6 Tacacs+ Support         |  |
|                       |               | IPv6 SNTP/NTP Support        |  |
|                       |               | IPv6 FTP/TFTP Support        |  |
|                       |               | IPv6 IPsec Support           |  |
|                       |               | IPv6 ACL                     |  |

# Appearances and Dimensions



# Package Contents

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

| Items                    | Quantity                        |
|--------------------------|---------------------------------|
| Cloud Switch             | 1 pcs                           |
| Quick Installation Guide | 1 pcs                           |
| Serial line              | 1 pcs                           |
| Power Cord               | 1 pcs                           |
| Mounting Accessories     | Hooks x 2, MATS x 4, Screws x 8 |



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Technical Support



Cloud Management



Company Website