

#### Datasheet

# Cloud L2+ Gigabit Managed Switch

WI-CMS310GF | WI-CMS318GF | WI-CMS328GF



Wi-Tek Cloud L2+ Gigabit Managed Switch provide 8/16/24 Gigabit Ethernet RJ45 ports and 2/4 Gigabit SFP uplink ports. Wi-Tek Cloud L2+ Gigabit Managed Switch can not only be managed by cloud platforms, but also support rich L2/L2+ management functions, such as static routing, port aggregation, and bandwidth control, providing powerful and reliable performance for your network solution, making it easy to manage and maintain.

Wi-Tek Cloud L2+ Gigabit Managed Switch provides a more efficient, simple, secure, and easy-to-use remote management method. It supports intelligent deployment, automatic networking configuration, abnormal alarms, and other functions.

Wi-Tek Cloud L2+ Gigabit Managed Switch is a high-performance and reliable network solution with abundant management features, making it the perfect choice for the access layer of business networking.

### **Features**

#### **Double Fiber Slots Interface**

Double gigabit SFP slots increase data transmission capacity, provide higher aggregation performance, and improve network stability and reliability. In addition, you can view the data traffic of the optical interface remotely.

#### The abundant Layer 2+ management features ensure network reliability

The Cloud L2+ Managed PoE switches support a complete lineup of L2 features, including 802.1Q VLAN, Port Mirroring, STP/RSTP/MSTP, ERPS, DHCP server, Link Aggregation Control Protocol, and 802.3x Flow Control function. Any more, the switch provides advanced features for network maintenance, such as Loopback Detection, Cable Diagnostics, and IGMP Snooping. Moreover, L2+ managed switches support L2+ feature-static routing, which is a simple way to provide segmentation of the network with internal routing through the switch and helps network traffic for more efficient use.

#### **Cloud Platform Remote Management**

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 at home.



# Specifications

Model	WI-CMS310GF	WI-CMS318GF	WI-CMS328GF
Hardware Version	V1	V1	V1
Hardware Specifications			
Interfaces			
Downlink Ports	8 * 10/100/1000Mbps RJ45 Ports	16 * 10/100/1000Mbps RJ45 Ports	24 * 10/100/1000Mbps RJ45 Ports
Uplink Ports	2 * 1000Mbps SFP Slots	2 * 1000Mbps SFP Slots	2 * 1000Mbps Combo SFP ports 2 * 1000Mbps SFP Slots
Management port	1 * Console Port	1 * Console Port	1 * Console Port
Performance			
Memory and Flash	128MB DDR3, 32MB Flash		
Switch Property			
Standards and Protocols	IEEE 802.3i: 10BASE–T Ethernet IEEE 802.3u: 100BASE–X Fast Ethernet IEEE 802.3ab: 1000BASE–T Gigabit Ethernet IEEE 802.3z: 1000BASE–X Gigabit Ethernet(Optical fiber)		
Forwarding Mode	Store and Forward		
Switching Capacity	20 Gbps	36 Gbps	56 Gbps
Packet Forwarding Rate	14.88 Mpps	26.78 Mpps	41.66 Mpps
MAC Address Table	8 k		
Packet Buffer Memory	4.1 Mbit		
Jumbo Frame	9216Bytes		
Power Supply			
Input Power	AC100-240V 50/60 Hz		
Power Consumption	7.87W	12.7W	18.6W

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Model		WI-CMS310GF	WI-CMS318GF	WI-CMS328GF		
Physical Ch	aracteristics					
LED Indicat	ors	PWR: On: The switch is powered on Off: The switch is powered off or power supply is abnormal SYS: Blinking: The switch works properly Off: The switch works improperly Link:	PWR: On: The switch is powered on Off: The switch is powered off or power supply is abnormal SYS: Blinking: The switch works properly Off: The switch works improperly Link/ACT:	PWR: On: The switch is powered on Off: The switch is powered off or power supply is abnormal SYS: Blinking: The switch works properly Off: The switch works improperly Link/ACT:		
		On: Port connected Blinking: Data transmission Off: Port disconnected	Orange on: The port is connected with 10/100Mbps speed Green on: The port is connected with 1000Mbps speed Blinking: Data transmission Off: Port disconnected	On: Port connected Blinking: Data transmission Off: Port disconnected		
Fan Quantit	Y	Fanless	Fanless			
Product Din	nensions	280 *180*44 mm		440.5*208*44mm		
Package Di	mensions	370*230*80 mm		495*317*72 mm		
Weight		Net Weight: 1.72 kg	Net Weight: 1.27 kg	Net Weight: 3.21 kg		
		Package Weight: 2.40 kg	Package Weight: 2.35 kg	Package Weight: 3.91 kg		
Button						
Reset		Hold for >5 sec.to restore factory d	efault			
Installation		Rack-Mounted, Desktop				
Power Supp	bly					
Doliobility	Surge Immunity	IEC 61000-4-5 Common mode 4kV Differential mode 2kV		IEC 61000–4–5 Common mode 6kV Differential mode 4kV		
Reliability	ESD Protection	IEC 61000–4–2 Contact discharge 6kV Air discharge 8kV				
Operating E	Invironment	-10°C to 50°C, (14°F to 122°F), 10%~90% RH no condensation				
Storage Env	vironment	-40°C to 70°C, (-40°F to 158°F) , 5%~90% RH no condensation				

ModelMu-CMS310GFMu-CMS318GFMu-CMS328GFCartificationCE, FCC, RoHS, UKCA, RCMSoftware FeaturesSoftware Features8 priority quoues80/1 p CoS/DSCP priorityQueue scheduling(SP (Strict Priority)/WRR (Weighted Round Robin)/SP4/WRRBendwidth Control(Fort/Flow based Failing Limiting)Palloy ConfigClass-Map ConfigPalloy ConfigPalloy ConfigPalloy ConfigPalloy ConfigPalloy ConfigPalloy ConfigPalloy Mark Control(Fort/Flow based Failing Limiting)Palloy Mark Control(Fort/Flow based Failing Limiting)Palloy ConfigPalloy ConfigPalloy ConfigPalloy Mark ControlPalloy Mark ControlPalloy Mark ControlPalloy Mark ControlPalloy Mark ControlPalloy MarkPalloy MarkStatic PartiesStatic PartiesStatic PartiesPalloy PalloyPalloy PalloyPalloy PalloyPalloy PalloyPalloy CarligPalloy CarligPalloy PalloyPalloy Palloy Palloy Palloy Palloy				
Certification     E, FCC, RoHS, UKCA, ROM       Software Focuses       Berlohly quisues       Barlohly quisues       Gause scheduling(SP (Strict Priority),WFR (Weighted Round Robin),SP+WRR       Bendwidth Control(Port/Flow based Rating Limiting)       Bendwidth Control(Port/Flow based Rating Limiting)       Parloy Quark Config       Display durik Config       Poicy Mark Config    <	Model	WI-CMS310GF WI-	CMS318GF	WI-CMS328GF
Software Features         B priority queues           802.1p CoS/DSCP priority         Reue scheduling(SP (Strict Priority);WRR (Weighted Round Robin),SP=WRR           Goods         Bendwidth Control(Port/Flow based Rating Limiting)           Policy Config         Reue scheduling(SP (Strict Priority);WRR (Weighted Round Robin),SP=WRR           Policy Config         Reue scheduling(SP (Strict Priority);WRR (Weighted Round Robin),SP=WRR           Policy Config         Reue scheduling(SP (Strict Priority);WRR (Weighted Round Robin),SP=WRR           Policy Config         Reue scheduling(SP (Strict Priority);WRR (Weighted Round Robin),SP=WRR           Policy Config         Reue scheduling(SP (Strict Priority);WRR (Weighted Round Robin),SP=WRR           Policy Config         Reue scheduling(SP (Strict Priority);WRR (Weighted Round Robin),SP=WRR           Policy Config         Reue scheduling (SP (Strict Priority);WRR (Weighted Round Robin),SP=WRR           Policy Config         Policy Config           Policy Config         Policy Config           Policy Mark Config	Certification			
B priorit queues           B21p CoS/DSCP priority           Queue scheduling/SP (Strict Priority)/WRR (Weighted Round Robin),SP WRR           Bendwidth Control(Port/Flow based Rating Limiting)           Policy Config           Bolicy Config           Closs-Map Config           Policy-Map Config           <	Certification	CE, FCC, RoHS, UKCA, RCM		
802.002.002.002.002.0000.0000	Software Features			
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Bindwidth Control(Port/Flow based Rating Limiting)           Poloy Control           Poloy Control      <		802.1p CoS/DSCP priority		
Poloy Comp           Po		Queue scheduling(SP (Strict Priority);WR	R (Weighted Round Robin);SP+	WRR
GoS         Class-Map Config           Policy-Map Config         Policy-Map Config           Policy Mark Config         Policy Mark Config           Policy Bandwidth         Policy Eandwidth           Policy DuAN         Policy Eandwidth           Policy Eandwidth		Bandwidth Control(Port/Flow based Rati	ng Limiting)	
Image: Pape Config           Poloy-Map Config           Poloy Mark Config           Poloy Mark Config           Poloy Mark Config           Poloy Dandwidth		Policy Config		
Piloy Mark ConfigPiloy Dark ConfigPiloy Dark ConfigPiloy Dark ConfigPiloy TakPiloy TakPiloy TakPiloy ConfigPiloy ConfigPiloy ConfigPiloy TakPiloy ConfigPiloy Conf	QoS	Class–Map Config		
Pioy BandwidthPioy VLANPioy VLANPioy Pion InstancesState Routing(512 static routes)Ataic Routing(512 static routes)Biox Routing(512 static routes)State ARPAtaic Routing(512 static routes)Biox Routing Routing(512 static routes)Biox Routing R		Policy–Map Config		
Poicy VLAN         Poicy VLAN         Prove Provide Static routes         Static Routing(512 static routes)         Static ARP         BARP Entries         ARP Innout         Oraciticus ARP         Prove Provide Static Route         Prove P		Policy Mark Config		
IP4/IPv6 Interfaces           Ip4/IPv6 Interfaces           Static Routing(512 static routes)           Static ARP           Ip4/IPv6 Interfaces           Ip4 Interfaces           Static ARP           Ip4 Interfaces           Ip4 In		Policy Bandwidth		
Ideal       Ideal		Policy VLAN		
Ata AP           KARP Entries           ARP timeout           Graduous ARP           DiP Genver           DiCP Relay           DiCP La Relay           Station and and any of the second and any of the second any of the sec		IPv4/IPv6 Interfaces		
F2+         K ARP Entries           ARP timeout         ARP timeout           Gravitous ARP         Diverse           HCP Server         Diverse           HCP Relay         Diverse           Variant Agergeation         Diverse           Attriation and provide the sport of the sp		Static Routing(512 static routes)		
L2+       AP timeout         Gatious ARP         DicP Server         DicP Relay         DicP Caleage         Statious ARP         DicP Caleage         DicP Caleage         Statious ARP         Dice Server         Statious ARP         Dice Server         Dice Server         Statious ARP		Static ARP		
Index       Index         In		8K ARP Entries		
DHCP Server         DHCP Relay         DHCP L2 Relay         Attach aggregation         Static link aggregation         02.3ad LACP         Up to 8 aggregation groups and up to 8 ports per group         80.1 d STP         Static NSTP	L2+	ARP timeout		
DHCP Relay         DHCP L2 Relay         Autor Control         Static link aggregation         602.3ad LACP         Up to 8 aggregation groups and up to 8 ports per group         802.1d STP         602.1st MSTP         602.1st MSTP		Gratuitous ARP		
DHCP L2 RelayStatic link aggregation602.3cd LACPUp to 8 aggregation groups and up to 8 ports per group802.1d STP802.1d STP802.1s MSTP802.1s MSTP		DHCP Server		
Link Aggregation       Static link aggregation         802.3ad LACP       Up to 8 aggregation groups and up to 8 ports per group         802.1d STP       802.1d STP         802.1s MSTP       802.1s MSTP		DHCP Relay		
Link Aggregation       802.3ad LACP         Up to 8 aggregation groups and up to 8 ports per group         802.1d STP         802.1w RSTP         802.1s MSTP		DHCP L2 Relay		
Image: Constraint of the state of the st		Static link aggregation		
Spanning Tree Protocol       802.1d STP         802.1w RSTP         802.1s MSTP	Link Aggregation	802.3ad LACP		
Spanning Tree Protocol     802.1w RSTP       802.1s MSTP		Up to 8 aggregation groups and up to 8	ports per group	
Spanning Tree Protocol 802.1s MSTP		802.1d STP		
802.1s MSTP		802.1w RSTP		
OTD Converte at DDDU Filter, DDDU Destant, Dr. 1 D. 1 at a filter at DDU	Spanning Tree Protocol	802.1s MSTP		
STP Security: TC Protect, BPDU Filter, BPDU Protect, Root Protect, Loop Protect		STP Security: TC Protect, BPDU Filter, B	PDU Protect, Root Protect, Lo	op Protect

Model	WI-CMS310GF	WI-CMS318GF	WI-CMS328GF
Loopback Detection	Port-based		
	VLAN based		
	802.3x Flow Control		
Flow Control	HOL Blocking Prevention		
	Port Mirroring		
	CPU Mirroring		
Mirroring	One-to-One		
	Many-to-One		
	Tx/Rx/Both		
	Supports IPv4/IPv6 IGMP group	DS	
	IGMP Snooping		
	IGMP v1/v2/v3 Snooping		
	Immediately-leave		
	IGMP Snooping Querier		
	IGMP Authentication		
	IGMP Proxy		
L2 Multicast	MVR		
	MLD Snooping		
	MLD v1/v2 Snooping		
	Immediately-leave		
	MLD Snooping Querier		
	Static Group Config		
	Limited IP Multicast		
	Multicast Filtering		
	VLAN Group		
	Max. 4K VLAN Groups		
VLAN	802.1Q tag VLAN		
	MAC VLAN		
	Protocol VLAN		

Model	WI-CMS310GF WI-CMS318GF WI-CMS328GF	
	GVRP	
VLAN	Voice VLAN	
	Port-Based QinQ	
	Tunnel TPID (0x8100, 0x9100, 0x9200, Protocol ID)	
	OUI-Based VLAN	
	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	
Access Control List	IP Precedence	
	TCP/UDP Port	
	DSCP/IP TOS	
	Combined ACL	
	IPv6 ACL	
	icmp/tcp/udp	
	Mirroring	
	Attached Direction(Ingress/Traffic-statistic)	
	QoS Remark	
	ACL apply to Port/VLAN	
	Time-based ACL	

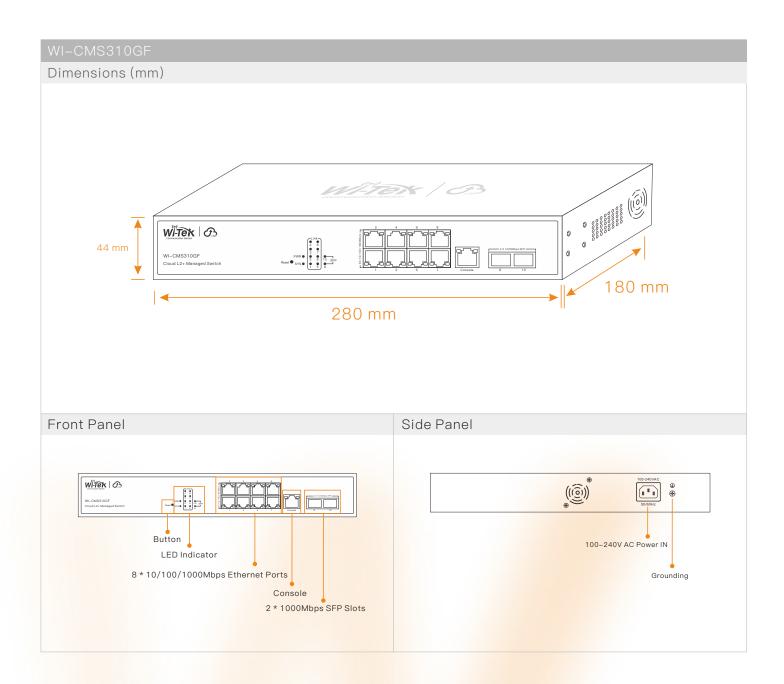
Model	WI-CMS310GF	WI-CMS318GF	WI-CMS328GF
Security	IP-MAC-Port Binding		
	DHCP Snooping		
	ARP Inspection		
	IPv4 secure-port		
	DHCPv6 Snooping		
	snooping remote-id		
	snooping subscriber-id		
	IPv6 security-ra		
	DoS Defend		
	DHCP Filter		
	Static/Dynamic Port Security		
	Broadcast/Multicast/Unicast S	torm Control	
	kbps/pps control mode		
	802.1X		
Security	Port base authentication		
	Mac base authentication		
	VLAN Assignment		
	Guest VLAN		
	Support RADIUS authentication	and accountability	
	AAA (including TACACS+)		
	Port Isolation		
	Secure web management throu	igh HTTPS with SSLv3/TLS 1.2	
	Secure Command Line Interfac	e (CLI) management with SSHv1/S	SSHv2
	IP/Port/MAC-based access co	ontrol	

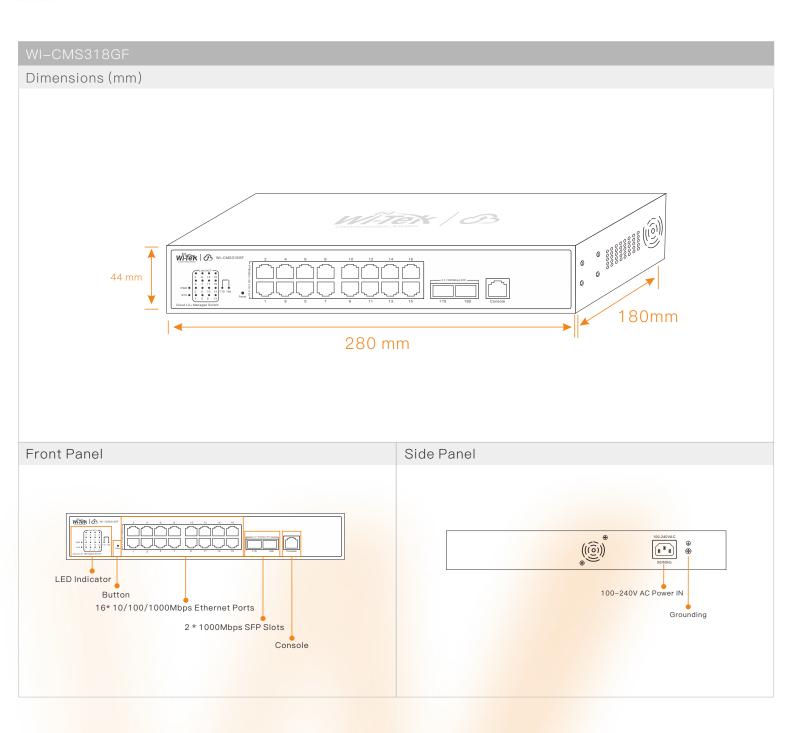
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Model	WI-CMS310GF WI-CMS318GF WI-CMS328GF	
	IPv6 Dual IPv4/IPv6	
	Multicast Listener Discovery (MLD) Snooping	
	IPv6 ACL	
	IPv6 Interface	
	Static IPv6 Routing	
	IPv6 neighbor discovery (ND)	
	Path maximum transmission unit (MTU) discovery	
	Internet Control Message Protocol (ICMP) version 6	
	TCPv6/UDPv6	
IPv6	IPv6 applications	
	DHCPv6 Client	
	Ping(v6)	
	Tracert(v6)	
	Telnet (v6)	
	IPv6 SNMP	
	IPv6 SSH	
	IPv6 SSL	
	Http/Https	
	802.3ah Ethernet Link OAM	
	ERPS	
	Cloud Management	
	ONVIF(ONVIF Detection,ONVIF Server(NLM))	
	Batch Firmware Upgrading	
Advanced Features	Intelligent Network Monitoring Abnormal Event Warnings	
	Automatic Device Discovery	
	Support Remote Management	
	Support Cloud VLAN Configuration	
	Support Topology Display	
	Support Cloud Control Port Configuration	

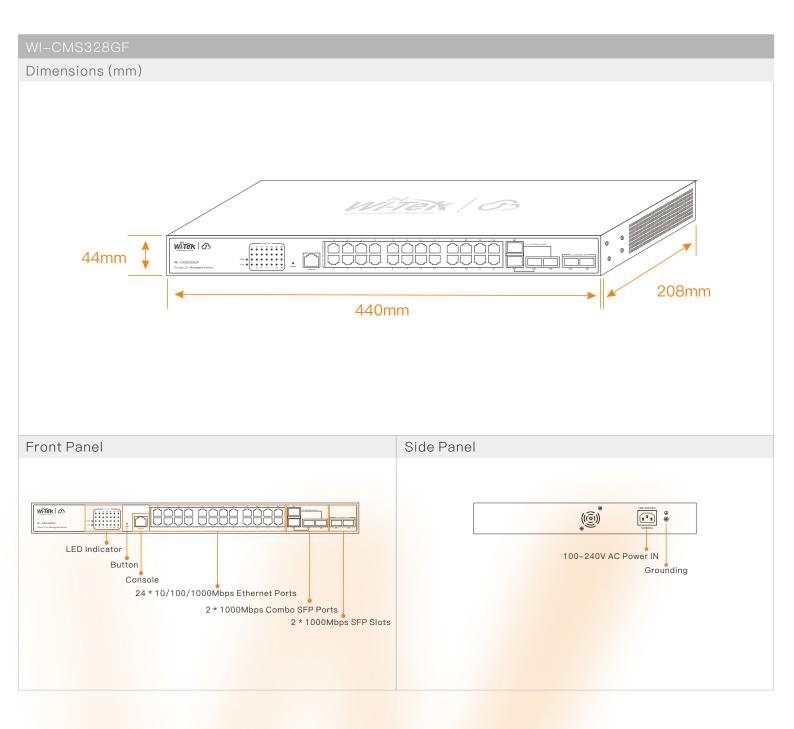
Model	WI-CMS310GF	WI-CMS318GF	WI-CMS328GF
	Web-based GUI		
	Command Line Interface (CLI)	through console port, telnet	
	SNMPv1/v2c/v3		
Management Features	Trap/Inform		
	RMON (1, 2, 3, 9 groups)		
	DHCP/BOOTP Client		
	802.1ab LLDP/LLDP-MED		
	CPU Monitoring		
	Cable Diagnostics		
Management Features	EEE		
indiagement i eatures	Password Recovery		
	SNTP		
	System Log		
System	Ping		
	Traceroute		
	Firmware Upgra <mark>de</mark>		
	DDMI		

Datasheet 10

## **Appearances and Dimensions**







# **Package Contents**

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

Items	Quantity
Switch	1 pcs
Serial line	1 pcs
AC Power Cord	1 pcs
Rack mounting accessories(Hookx2; Matx4; Screwx8)	1 pcs
Quick Installation Guide	1 pcs



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Technical Support

Cloud Management

Company Website