

Cloud Easy Smart SC Fiber Switch



WK-CES314-4A4B

Overview

The WIKING Cloud Easy Smart SC Fiber Switch offers 4 * 1000Mbps RJ45 ports, 2 * 1Gbps SFP slots, and 8 * 1.25 Gigabit SC/UPC ports, providing flexible and high-performance full-gigabit access ports and uplink Fiber ports. It also has both A and B optical ports, which not only facilitates pairing with the opposite end but also enables the formation of a cascading topology. Compared with conventional single-port optical transceivers, it offers greater flexibility in use.

The Switch provides simple, safe, and easy-to-use local WEB and remote management methods, supports smart deployment, abnormal alarm, ONVIF automatic identification of network cameras, automatic shutdown of loop ports, etc. The WIKING Cloud Easy Smart SC Fiber Switch is ideal for CCTV network solutions.

Features

Built-in SC/UPC connector and 20km fiber transmission

Featuring a built-in SC/UPC connector and up to 20km fiber transmission, No additional optical modules need to be purchased, reducing equipment costs while maximizing deployment flexibility. It provides a highly affordable 100-channel, 8MP CCTV cloud management system solution.

Support Wi-Tek cloud remote management

ONVIF cameras and Wi-Tek cloud management devices can be remotely managed through the Wi-Tek cloud platform/mobile APP, making CCTV network projects truly intelligent and easy to maintain. You can easily access and manage your cameras from your phone or computer anytime, anywhere.

(Note: The EWEB channel can be created only when the easy smart switch is linked with the other type of Wi-Tek cloud management device, such as cloud L2, L3 management switch, gateway, wireless AP, etc.)

ONVIF-based IPC Detection and Automatic Topology Mapping

Effortlessly discover ONVIF IPCs and visualize their connections under the switch via the cloud platform, enabling intuitive network management and faster deployment.

Automatic loop prevention

By default, the switch enables port loop detection. When a loop occurs on the switch, the port which caused the loop will be closed in time to enable the switch to operate properly and maintain service continuity.

Intelligent Operation and Maintenance

Abnormal alarm can help you locate problems quickly, making your operation and maintenance easier.

Specifications



Model	WK-CES314-4A4B
Hardware Specifications	
Interfaces	
Downlink Ports	4 * 10/100/1000Mbps RJ45 Ports 4 * 1.25Gbps SC/UPC A Ports 4 * 1.25Gbps SC/UPC B Ports
Uplink Ports	2 * 1000Mbps SFP Slots
SC/UPC Features	Working Wavelength: A: TX1310nm, RX1550nm B: TX1550nm, RX1310nm
	Average transmitted optical power: -9~0dBm
	Receiving sensitivity: -27dBm
	Transmission distance: 20km
Performance	
Flash	4MB
Switch Property	
Standards and Protocols	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.1q, IEEE802.3ad
Forwarding Mode	Store and Forward
Switching Capacity	32Gbps
Packet Forwarding Rate	23.89Mpps
MAC Address Table	8k
Packet Buffer Memory	512KB
Jumbo Frame	9K
Power Supply	
Input Power	AC 100-240V 50/60Hz 0.6A Max
Power Consumption	17.5W

Model		WK-CES314-4A4B
Physical Characteristics		
LED Indicators	PWR(Green): Solid On: The device power on is normal Off: The device is power off or failed SYS (Green): Blinking: The system is working normally Solid On/Off: The system is being started or abnormal Link (Green): Solid On: Port connected Off: Port disconnected Blinking: Data transmission SC/UPC Indicator Solid on: Port connected Blinking: Data transmission Off: Port disconnected	
	Switch Dimension(W*D*H)	440*160*44mm
Package Dimension(W*D*H)	477*234*81mm	
Weight	Net Weight: 1.6kg	
	Package Weight: 2.2kg	
Installation	Rack-mount, Desktop	
Button		
Reset	Hold for >5 sec. to restore factory default	
Fan Quantity	Fanless	
Environmental		
Reliability	Surge Immunity	IEC 61000-4-5 Common mode: ±4kV Differential mode: ±2kV
	ESD Protection	IEC 61000-4-2 Contact discharge: ±8kV Air discharge: ±15kV
Operating Temperature	-10°C to 50°C(14°F to 122°F)	
Operating Humidity	10%~90% RH no condensation	
Storage Temperature	-40°C to 70°C(-40°F to 158°F)	
Storage Humidity	10%~90% RH no condensation	
Certification		
Certification	CE, FCC, RoHS, UKCA, RCM	

Model	WK-CES314-4A4B
Software Features	
System Settings	Device Info
	IP Settings
	User Management
	Firmware Upgrade
	Configuration Backup
	Reset
	Save Configuration
	Reboot
Switch Settings	Port Settings
	Port Statistics
	Storm Control
	Port Mirroring
	Port Isolation
	Port Bandwidth Control
	Link Aggregation
	Loopback Detection
	MAC Search
	Static/Filter MAC
	MAC Table
VLAN Settings	Port-based VLAN
	VLAN Range: 1-4094 (Only 12 VLANs can be configured at the same time)
LLDP Management	LLDP Config
	LLDP Neighbors
ONVIF	Onvif Detect
Cloud Settings	MQTT Client
	Wi-Tek Devices Discovery Table

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Dimensions (mm)

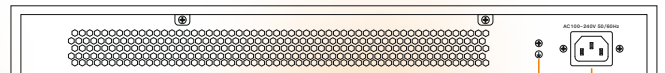


Front Panel



- LED Indicators
- Reset Button
- 4 * 10/100/1000Mbps RJ45 Ports
- 4 * 1.25Gbps SC/UPC A Ports(A: TX1310nm, RX1550nm)
- 4 * 1.25Gbps SC/UPC B Ports(B: TX1550nm, RX1310nm)
- 2 * 1000Mbps SFP Slots

Rear Panel



- Grounding
- AC 100-240V 50/60Hz Power Port

Package Contents

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

Items	Quantity
Switch	1 pcs
Rack Mount Kit	1 set
Quick Installation Guide	1 pcs
AC Power Cord	1 pcs



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Technical Support



Cloud Management



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