SUNCOMM

Wi-Fi6 4G CAT6 CPE
SC918

Overview

1、Product Description

SC918 intelligent wireless access router (CPE), developed based on a new hardware platform, can meet the increasing access needs of mobile terminals and IoT nodes, and cangreatly improve the user's wireless Internet experience.
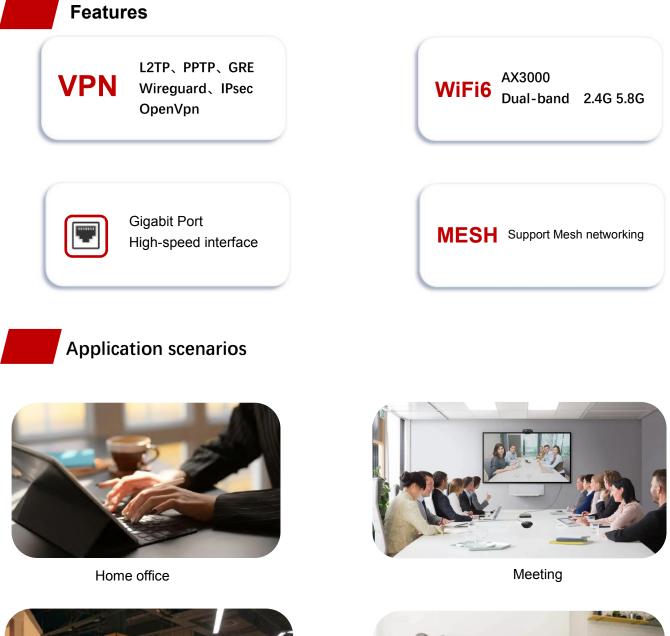
CPE is fully compatible with 4G CAT6 and meets the network access standards of telecom products of the Ministry of Industry and Information Technology. Provides up to gigabit-level aerial optical fiber access capabilities to meet the transmission bandwidth requirements of VR/AR/4GK/8K online video streams.

Thanks to the latest 802.1ax Wi-Fi6 technology platfbrm, a single cPE can cover 200 square meters of space and provide better wireless signal and network bandwidth. it provides future-proof technology, higher network efficiency, faster Wi-Fi speed, and greater coverage,providing users with a better network experience.

2、Product Features

- There are 2 nano-SIM card slots

- Support 4G(CAT6): LTE-TDD，LTE-FDD; Support ordinary broadband access to the Internet

- Provides 1 x 10/100M/1000M/ Ethernet (WAN) interface

- Provides two 10/100M/1000M adaptive Ethernet (LAN) interfaces with support for auto MDI/MDIX

- It supports 2.4G and 5G dual-band bands, and supports automatic adjustment of wireless transmission rates

- It supports 64/128-bit WEP encryption, WPA-PSK, WPA2-PSK, WPA/WPA2-PSK, WPA3-SAE, WPA2-PSK/WPA3-SAE encryption and security mechanisms, which can ensure the security of data transmitted in the wireless network

- Built-in Network Address Translation(NAT)function

- SUPPORT WEB SOFTWARE UPGRADES

- Support web management, easy installation wizard

- The trunk function is supported

- DMZ is supported

- Client management functions are supported

- Support wired network and mobile network switching

Features

VPN
L2TP、PPTP、GRE
Wireguard、IPsec
OpenVpn

WiFi6
AX3000
Dual-band   2.4G 5.8G

Gigabit Port
High-speed interface

MESH Support Mesh networking

Application scenarios

Home office

Meeting

Shopping

Game

Product Specifications

Model	SC918
CPU	MT7981BA+MT7976CN+MT7531AE（Dual-core A53 1.3GHz）
WiFi Frequency	2.4G / 5G
Storage	256MB DDR3 +128MB SPINAND FLASH
WiFi Standard	IEEE 802.11b、g、a、n、ac、ax IEEE 802.3、3u、3x
Interface	1 x10/100M/1000M WAN port, supporting Auto MDI/MDIX 1 x10/100M/1000M LAN port, support Auto MDI/MDIX 1 nano SIM card slots
Button	WPS Reset (press and hold for 5 seconds)
LED	4G, WiFi signal indicator. internet indicator
Antenna	3dBi gain non-detachable antenna
Number of antennas	2 x 4G LTE antennas, 5 x WiFi antennas
Supply powers	12V/1.5A
Basic functions	Wireless on/off SSID Broadcast Enable/0ff Channel selection：1～13(2.4G)36~165(5GHz) 2.4G bandwidth：20MHz, 40MHz 5G bandwidth：20MHz, 40MHz, 80MHz, 160MHz
2.4G frequency	2412~2472MHz
5G frequency	5180~5825MHz
Wireless transmission speed	2.4G 2T2R :Up to 574Mbps , 5G 2T2R :Up to 2402Mbps
Power	2.4G Actual Power： 802.11b 22±1.5dBm 802.11g 21±1.5dBm 802.11n20 19±1.5dBm 802.11n40 19±1.5dBm 802.11ac40 17.5±1.5dBm 802.11ax40 17.5±1.5dBm 5G Actual Power： 802.11a 19±1.5dBm 802.11n20 18.5±1.5dBm 802.11n40 18.5±1.5dBm 802.11ac80 17.5±1.5dBm 802.11ax80 16.5±1.5dBm

4G Data Rates	LTE： 300Mbps； UP 50Mbps
Working mode	AP/Router
Wireless security	Wireless MAC address filtering 64/128 bit WEP encryption WPA-PSK、WPA2-PSK、WPA3-SAE、WPA/WPA2-PSK 、WPA2-PSK/WPA3-SAE WPS(PBC)
Other features	Wireless host status display Wireless site scanning Seamless roaming between nodes Seamless roaming between bands
WiFi settings	WiFi basic settings (dual-band integration, switch, wireless mode.SSID, PWD, encryption algorithm, channel, bandwidth, power adjustment). Advanced setting （wireless client isolation, 802.11h, WMM multimedia acceleration). Multiple SSIDs (SSIDs,encryption methods, PWDs, and encryption algorithms)
Network status	Register network information: Click to directly configure APN dialing information System status view： device information (power-on duration, system time, software version, hardware version), 4G dial-up information, LAN status, WIFI information, IPv6 information Client information: You can directly pull a client into the blacklist WiFi information: You can directly jump to configure WiFi information Real-time Internet access rate display, WAN IP address display,software version information
Network settings	Data Switch, Roaming Switch, Mode Selection, Default APN Information,and APN Manual Configuration FAILOVER switches:PPPOE, DHCP, and static 4G band locking
WiFi settings	WiFi name and password, WiFi timing, channel bandwidth setting, power regulation, bridging function, OFDMA
SMS feature	SMS sending and receiving, SMS center settings
Guest network	Configure the SSID, rate limit, and startup time limit of the guest network
Parental controls	Online device display, online time, restricted Internet time period,URL filtering configuration
Advanced settings	Working Mode, Mobile Data Switch, Bandwidth Control, Filter MAC Address, Firewall, Static Routing, DDNS, Virtual Server, DMZ Host,UPnP, TR069 Settings
System settings	System Status, Time Setting, Password Management, Configuration Management, Firmware Upgrade,Scheduled Restart, System Log, LAN Setting, DHCP Binding, Reboot & Reset, Remote Management
Use environment	Operating temperature:-20°C to 50°C Storage temperature:-40°C to 70°C Operating humidity:10% to 90% RH non-condensing Storage humidity:5% to 95% RH non-condensing
size	108X108X216MM
eSIM	Optional
SIM Card	1 nano-Sim Card slot