soltek
beyond the edge

5G Smart Indoor CPE

ST-WG535Q

Product Overview

5G Smart Indoor CPE is a high-performance 5G indoor wireless router based on **QUALCOME QCX315** 5G modem, which supports 5G NR (SA&NSA) and TDD/FDD-LTE.

It converts cellular network data into WIFI and wired network port data, supporting 4 Gigabit LAN ports, 2.4GHz & 5GHz dual-band WIFI.

It is suitable for home or commercial scenarios that require rapid deployment of WIFI hotspots and wired broadband networks.

WG535Q is an ideal wireless broadband access solution in home and SMB for 5G/LTE cellular network

Features

- 5G/4G Standards: 3GPP Release 15 / Cat12
- 5G DL MIMO 4x4, 5G UL MIMO 2x2, LTE MIMO 2x2
- 4 x Giga Ethernet for LAN and WAN
- Support 2.4G&5G Wi-Fi Up to 32 Client
- 4 x 5G NR, 2 x 4G, WIFI 2 x 2.4GHz and 2 x 5GHz built-in antennas
- Type-AUSB3.0 Port and 3FF SIM Slot, RJ11 support VoLTE optional
- QoS service flow and Dynamic Host Configuration Protocol
- Support VPN Pass-through PPTP/L2TP/SSL VPN/GRE/IP SEC

ST-WG535Q

Technical Specifications

Item		Description
General Specification	Chip set	Qualcomm QCX315 MTK7603E+MTK7612E+MTK7628DAN
	RF standard	5G NR(3GPP Release 15)/TDD-LTE/FDD-LTE
	Flash	2G
	RAM	DDR3
	Ethernet LAN	4 * Gigabit RJ45 LAN Ports 10/100/1000 auto-sensing,
	LED	5 LED Indicators (PWR, 5G/LTE, 5G Wi-Fi, 2.4G Wi-Fi, Network Signal)
	SIM	1 SIM (FF) Support 1,8V & 3.3V
	Reset Button	Tact Switch
	Antenna	6 Built-in 5G/LTE antennas, 2 Built-in Wi-Fi antennas (2.4G+5G)
	WIFI Users	2.4G:64Users 5.8G:64Users
	Power Consumption	< 24W
	Power Supply	AC100V~240V,50Hz~60Hz DC 12V DC±10% 2A
Physical Size	Size	117mm*117mm*180mmS
	Weight	<500g
Interface	LAN – RJ 45	The LAN port allows you to connect PC to surf internet via CPE
	USIM Slot	Support standard 1.8V / 3.3V USIM
	WPS Button	Click to start WPS connection
	USB	TYPE_A USB3.1, for test
	DC	DC 2.0
	POWER Button	Power button
	Power Indicator	Indicate power on/off status
	WPS Indicator	Indicate WPS connection status
	Wi-Fi Indicator	Indicate Wi-Fi on/off status
	Network Indicator	Indicate network link status
	Signal Bar Indicator	Indicate network signal strength

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Technical Specifications

Item	Description	
Radio Specification	Support Bands	5G NR: N1/N3/N5/N7/N8/N20/N28/N40/N41/N77/N78/N79 4G FDD: B1/B3/B5/B7/B8/B20/B28A/B28B, 4G TDD: B34/B38/B39/B40/B41/B42/B43/B48
	Output Power	5G NR: 23+-2dBm LTE: 23+-2dBm
	LTE Antenna	6 Built-in Antennas
	LTE Antenna Gain	3-5 dB
	Wi-Fi Frequency	Wi-Fi Frequency
	Wi-Fi Antenna	2 Build-in high gain Wi-Fi antennas, 2.4GHz, 5GHz integrated antenna
	Wi-Fi Output Power	16 dBm/2.4G;18 dBm/5G;
	Wi-Fi Channel BW	20MHz, 40MHz,80MHz(ac)
	Wi-Fi Antenna Gain	3-5 dB
	Peak Throughput	Sub-6G: 1.5 Gbps(DL)/375Mbps (UL), TDD/FDD LTE: Category 12 with 400Mbps(DL) TDD/FDD LTE: Category 13 with 100Mbps(UL)
Software Specifications	Language	English
		Could be customized
	Https/Http	Both
	User login	admin
	SIM Card	SIM Card
		SIM card Authentication
	Backup/restore	Encryption backup current settings and restore the backup settings
	Diagnosis	Export current diagnosis results and operation logs
	Statistics	Link Status (LAN)
		Transmit / receive traffic in packets
		Up Time
	Multi-APN	3
	VPN	PPTP/L2TP
	IPV6	IPv6/IPv4 dual stack
	Network Status	Signal strength
		Network type
		Network connection status
		Operator name, system mode
		SIM card status
	Cell lock	Support
	Carrier SIM Lock	Support
	Work mode	NAT/ Bridge/ Router mode

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Technical Specifications

Item	Description		Comments
	Network Name (SSID)	ready	Comments
	SSID Broadcast Enable	ready	
	Operating Frequency	ready	
	2.432 GHz~2.472GHz	ready	
	4.9GHz~5.9GHz	ready	
	Adaptive / non-adaptive equipment	ready	
	Adaptive Equipment		
	Antenna Type/Gain	ready	
	3-5 dB		
	Support Channels (2.4G Wi-Fi)	ready	
	13 Channels (iEEE802.11b/g/n)		
	01:2412MHZ 02:2417MHZ 03:2422MHZ 04:2427MHZ 05:2432MHZ 06:2437MHZ 07:2442MHZ 08:2447MHZ 09:2452MHZ 10:2457MHZ 11:2462MHZ 12:2467MHZ 13:2472MHZ	ready	
Wi-Fi Box	802.11 Mode selection	ready	
	. 802.11b	ready	
	. 802.11g	ready	
	. 802.11n – 20MHz	ready	
	. 802.11b+g+n mode – This is the Factory Default option	ready	
	. 802.11ac	ready	
	Security	ready	
	. Open (Unsecure)	ready	
	. WEP128–13ASCII charactersor26HEXcharacters	not ready	Hide due to not safe
	. WPA Personal / PSK (TKIP) – ASCII string, 8 to 63 characters in length	ready	
	. WPA Personal / PSK (AES) – ASCII string, 8 to 63 characters in length	ready	WPA2 AES
	. WIFI TX power output (dBm) (Max)	ready	
	. 15dBm/2.4G, 18dBm/5G		
	Maximum work range in open ground	90 meters	

کلیه حقوق مادی و معنوی این اثر متعلق به شرکت دانش بنیان سومیکو می باشد.

soltek مارک و برند ثبت شده و متعلق به شرکت سومیکو بوده و هر گونه کپی برداری پیگرد قانونی دارد.

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Technical Specifications

Item	Description				
Device Management	Software Update	Full image upgrade Web UI update Tr069 update Update strategy			
	Tr069	HTTP/HTTPS Supports upload / download the ACS specified file Support download CPE configuration file Support configure & queries parameters Support remote upgrade Support CPE version update Supports debugging operations Support cycle monitor			
	Syslog	Support the syslog function can send the log to the PC via LAN			
	Diagnostics	Support the Ping, trace route, tcpdump			

Item		Capability				Comments
		min	type	max	units	
Environmental Specification	Operating temperature	-10		45	°C	
	Storage temperature	-40		85	°C	
	Operating humidity	5		95	%	
	Storage humidity	5		95	%	

Qualcomm QCX315 Chip

Indoor
5G CPE Router

Multi-band 5G NR/LTE-FDD/LTE-TDD
5G SA up to 1.5Gbps data transmission
Loop Antenna Signal 360
Multi-User MIMO Technology
Multi-terminal access