

SunComm Technology Co., Ltd.

CDMA / GSM / 3G / LTE VoIP Gateway



SC-2296-4GW 4G LTE WIFI ROUTER,

Support Band 42



Description

SC-2296-4GW 4G LTE Wi-Fi Router is perfect to connect Internet with fast data rates, low latency where Ethernet connection is not available.

Using the latest 4G LTE technology, you can achieve downlink speeds of up to 150 Mbps and uplink speeds of up to 50 Mbps.

Simply insert an SIM card and get Internet access anywhere you can receive LTE, 3G data signal.

SC-2296-4GW also has one external antenna and one internal antenna for a Wi-Fi connection that is reliable and consistent.

300Mbps Wi-Fi speed makes lag free connection for notebooks and smart phones.

Features

- ✧ 4G LTE – Support up to 150Mbps downlink and 50Mbps uplink speed
- ✧ Support mobile network type – FDD-LTE, TDD-LTE, WCDMA, TD-SCDMA
- ✧ Support connection types in normal Wi-Fi Router Mode – Supports PPPoE, Dynamic IP, Static IP Cable Internet Access
- ✧ 300Mbps Wi-Fi – Easily share wireless to users with low latency
- ✧ Wireless Security – Supports 64/128-bit WEP, WPA/WPA2 and WPA-PSK/WPA2-PSK encryption
- ✧ WPS – Wireless security encryption easily at the push of the WPS button
- ✧ IPv6 – Support next generation network
- ✧ Guest Network – Create a completely separate Wi-Fi network for your guests' devices, ensuring they do not have access to your home network or to the shared USB hard drive with all your personal data

- ✧ Parental Control – Allows parents or administrators to establish restricted access policies for children or staff
- ✧ Simple set up with GUI – friendly GUI makes installation easier and faster

Specifications

BASIC

Operation Mode	LTE Router, Normal Wireless Router
Mobile Network Type	FDD-LTE cat4 (800/900/1800/2100/2600MHz); TDD-LTE cat4 (1900/2350/2500/2600MHz); WCDMA (900/1900/2100MHz); TD-SCDMA (1900/2100MHz)
Rate	Upstream/Downlink: 50Mbps/150Mbps

WIRELESS

Wireless Standard	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Wireless Speed	11n speed up to 300Mbps
Wireless Frequency	2.4GHz-2.4835GHz
Range	
Transmit Power	<20dBm(EIRP)
Wireless Security	64/128-bit WEP/WPA-PSK/WPA2-PSK/TKIP/AES
Wireless Features	Multi-SSID, WDS, Access Control List

SOFTWARE

VPN Pass-through	IPSec /PPTP /L2TP Pass-through
Security Support	PAP/CHAP Authentication for PPP mode NAT for Firewall, SPI Firewall with DoS protection ALG for NAT/PAT support Parental control, IP Filtering and MAC Filtering 2 Level (User/Admin) Authentication to Router
Management Support	Web Based GUI, Remote Access Control TR-069 FTP/HTTP , Telnet, Command Line Interface via serial interface Diagnostic Test, Firmware upgrade-able

HARDWARE

Physical Interface	1 x USIM port 4 x 10/100Mbps Auto MDI/MDIX RJ45 LAN port 1 x Power interface
LED Indicators	Power, LAN1/2/3/4,WiFi, WPS, LTE
Buttons	ON/OFF, WiFi, WPS, RESET

Antenna	Wi-Fi antenna: 2 antennas. LTE antenna: 2 antennas.
Power	Input: 100-240V AC,50Hz Output: 12VDC/1.5A; 12VDC/1A (for the device without built-in battery)
Built-in Battery	3000mAh, working time up to 3 hours, 6 hours stand-by (the device can also be customized without battery)
Processor	BCM6318+BCM43217T
Memory	16MB Flash, 64MB RAM
Maximum Connected Users	16

OTHER

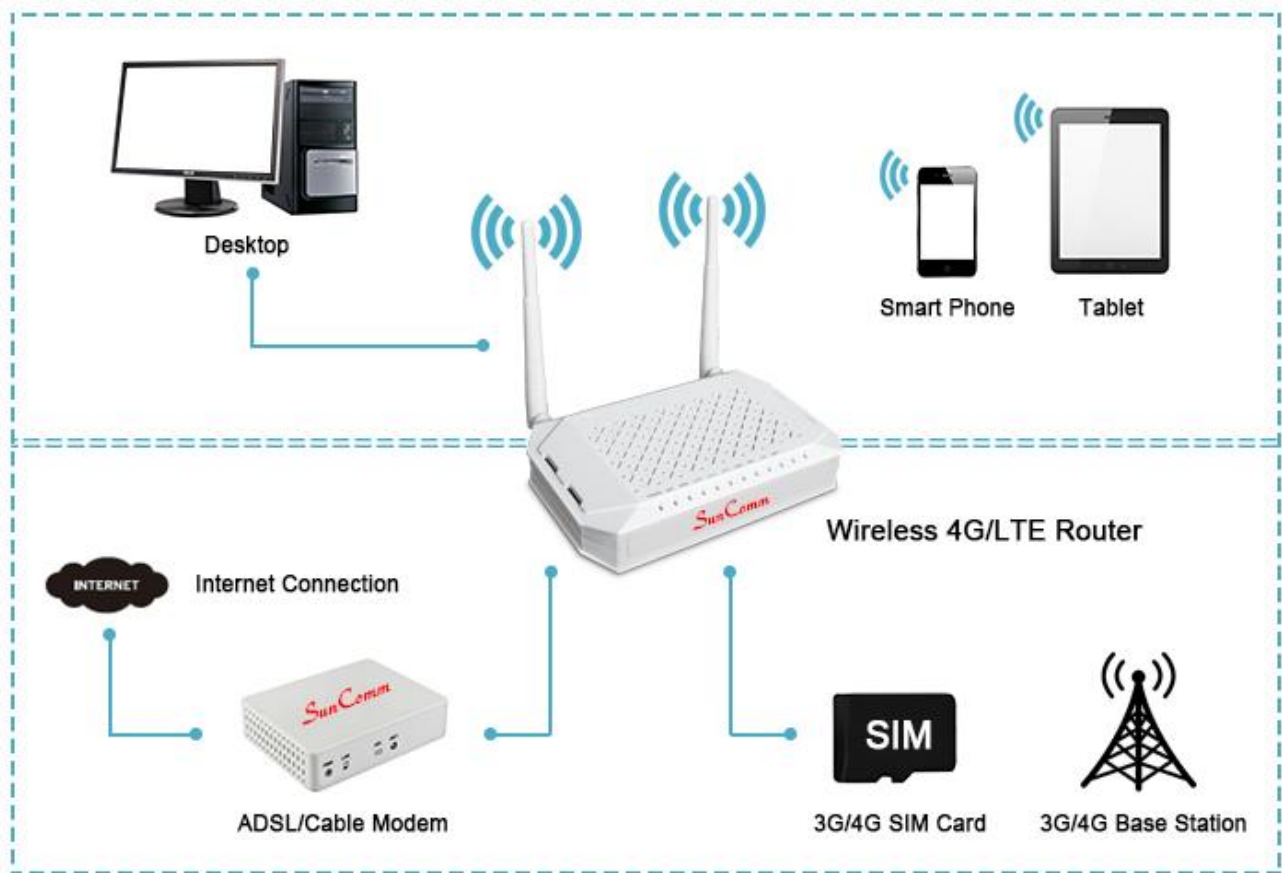
Operation System	Windows 7,8,XP, VISTA/Macintosh/Linux
Environment	Operating Temperature:-10°C~55°C(14~131°F) Storage Temperature: -30°C~60°C(-22~140°F) Operating Humidity: 5%~95% non-condensing Storage Humidity: 5%~90% non-condensing
Dimension	7.09*4.53*1.02 in (180*115*26mm)
Weight	180g
Package Content	1 x SC-2296-4GW 1 x RJ45 Cable 1 x Power Adapter 1 x Quick Installation Guide

Support Bands

4G	FDD-LTE	BAND 1 : 2100MHz	Range: UL 1920~1980MHz; DL 2110~2170MHz	Uplink Speed	50Mbps	
		BAND 3 : 1800MHz	Range: UL 1710~1785MHz; DL 1805~1880MHz			
		BAND 7 : 2600MHz	Range: UL 2500~2570MHz; DL 2620~2690MHz			
			BAND 8 : 900MHz	Range: UL 880~915MHz; DL 925~960MHz	Downlink Speed	150Mbps
			BAND 20 : 800MHz	Range: UL832~862MHz; DL 791~821MHz		
3G	TDD-LTE	BAND 38 : 2600MHz	Range:2570~2620MHz	Uplink Speed	50Mbps	
		BAND 39 : 1900MHz	Range:1880~1920MHz			
		BAND 40 : 2350MHz	Range:2300~2400MHz			
			BAND 41 : 2500MHz	Range:2496~2690MHz	Downlink Speed	100Mbps
			BAND 42 : 3500MHz	Range:3400~3600MHz		
			BAND 43 : 3700MHz	Range:3600~3800MHz		
3G	WCDMA	BAND 1 : 2100MHz	UL 1920~1980 MHz; DL 2110~2170 MHz	Uplink Speed	5.76Mbps	
		BAND 2 : 1900MHz	UL 1850~1910MHz; DL 1930~1990MHz			
		BAND 8 : 900MHz	UL 880~915MHz; DL 925~960MHz	Downlink speed	21.6Mbps	
3G	TD-SCDMA	BAND 34 : 2010~2025MHz				
		BAND 39 : 1880~1920MHz				

Note: For other particular band, e.g. Band 42, please send inquiry by email, SC-2296-4GW can be customized according to demands.

Diagram



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