



CPE-1FE-W

LTE Cat4 CPE

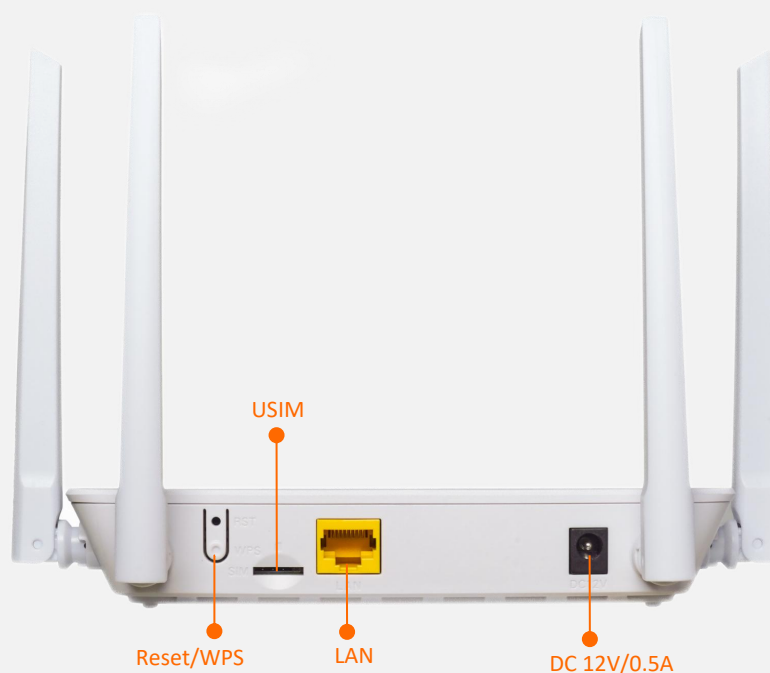
Highlights:

- LTE external antennas & WiFi external antennas
- Support Firewall: PORT Filtering/ Port Mapping
- Usage scenario: Indoor, Home, office, etc.

Introduction:

CPE-1FE-W LTE CPE is developed based on several worldwide proven chipset solutions, integrated with the high technologies in LTE CAT4, WIFI Hotspot, Ethernet LAN and Web-UI management.

Interface of CPE-1FE-W:



○ Hardware Parameter

Dimension	150mm×105mm×30mm(L×W×H)
Net weight	176g
Operating condition	Operating temp: -20°C ~ +45°C
Storing condition	Storing temp: -20°C ~ +60°C
Power adapter	DC 12V,0.5A
Power supply	≤12W
Interfaces	1FE+USIM+WiFi
Indicators	POWER, WiFi, LAN, DATA , LTE
Buttons	Reset/WPS

○ LTE WAN Feature

Chipset	ASR1803s
Frequency Bands	CPE-1FE-W-EU: • FDD LTE: B1/B3/B5/B7/B8/B20/B28 • TDD LTE: B38/B40/B41 • UMTS: B1/B5/B8 CPE-1FE-W-AU: • LTE-FDD: B1\B2\B3\B4\B5\B7\B8\B28\B66 • LTE-TDD: B40 • WCDMA: B1\B2\B4\B5\B8
Bandwidth	1.4/3/5/10/15/20 MHz, comply with 3GPP
Modulation	• DL: QPSK/16-QAM/64-QAM, comply with 3GPP • UL: QPSK/16-QAM, comply with 3GPP
LTE Antenna	2*External LTE Antennas
RF Power Level	• LTE: Power Class 3 (23 dBm + 2.7/-3.7dB) • UMTS: Power Class 3 (24 dBm +1.7/-3.7dB)
Data Rate	4G: 3GPP R9 Cat4, FDD: DL/UL up to 150Mbps/50Mbps, TDD: DL/UL up to 110Mbps/10Mbps 3G: 3GPP R7 DL/UL up to 21Mbps/5.76Mbps

○ WLAN Feature

Chipset	ASR5803W
Wi-Fi Frequency	2.4GHz, 1~13Channel
Transmit Power	• 17±2dBm @ 802.11b • 15±2dBm @ 802.11g • 14±2dBm @ 802.11n
Receiver input level sensitivity	• <-76dBm at the antenna port, QPSK,11Mbps,1024 Byte PSDU @ 802.11b • <-65dBm at the antenna port, 64QAM,54Mbps,1024 Byte PSDU @ 802.11g • -64dBm at the antenna port, 64QAM, 65Mbps,4096 Byte PSDU@ 802.11n(HT20)
WiFi Antenna	1*External Antenna
Protocol	802.11b/g/n
Data Rate	• 802.11b: Up to 11 Mbps • 802.11g: Up to 54 Mbps • 802.11n: Up to 72.2 Mbps

○ Function Data

Interfaces	LAN: 1*RJ45 with 10/100Mbps
USIM	Single, Standard SIM slot 4FF
System	Connection Status/Statistics/ Device Management
Language	Chinese/English/Español/Português, Customized
Mobile Service	• SMS Manager • Auto-APN according to USIM • Auto Data Connection • USSD Service • PIN/PUK Management • Network Mode Selection(3G/LTE/Auto)
Router	• Support SSID, APN management,IPv4 • DHCP Server, Dynamic IP, Static IP • Access Control, Local Management • Support OPEN, WPA2(AES)-PSK, WPA-PSK/WPA2-PSK • Firewall • PORT Filtering/ Port Mapping/ Port Forwarding
Management	TR069/FOTA
Operating System	• Windows 7/8/XP/10 • MAC OS 10.10+ • Andriod 10/11 • Linux Ubuntu 15.04+ • Browser Edge, Firefox, Google Chrome, Safari, Opera