



XMC2841

LTE CAT6 CPE

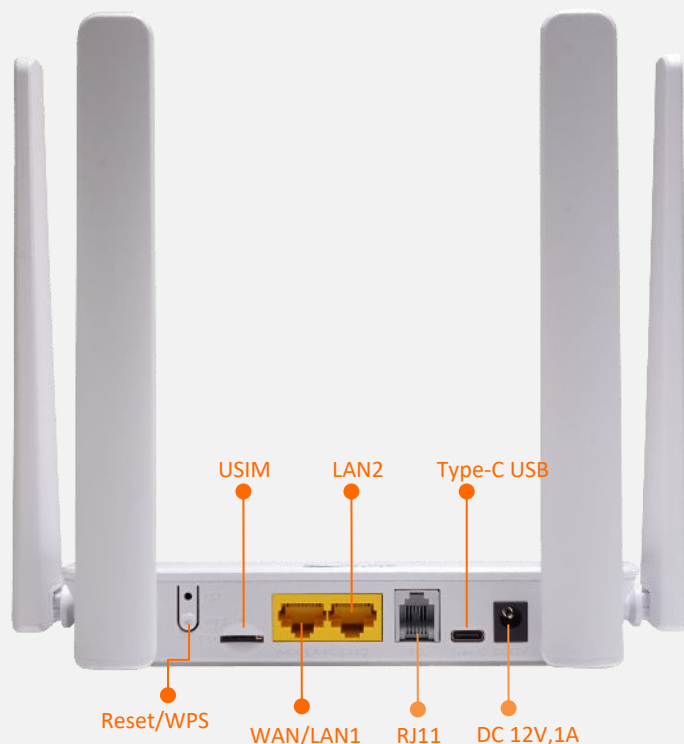
Highlights:

- 2 LTE external antennas & 2.4GHz External, 2 x 2 MIMO, 5GHz Internal ,2x2 MIMO
- Easy to set up and manage: WebUI, TR069 remote management and FOTA support
- VPN Protocol: IPSecVPN, PPTP VPN & L2TP VPN
- Usage scenario: Indoor, Home, office, etc.

Introduction:

XMC2841, LTE CPE is developed based on several worldwide proven chipset solutions, integrated with the high technologies in LTE CAT6, WIFI 5 Hotspot, Ethernet WAN/LAN and Web-UI management. It supports TR069 remote management and FOTA.

Interface of XMC2841:



○ Hardware Parameter

Dimension	150mm×105mm×30mm(L×W×H)
Net weight	About 233g
Operating condition	Operating temp: -20°C ~ +45°C
Storing condition	Storing temp: -20°C ~ +60°C
Power adapter	DC 12V,1A
Power supply	≤12W
Interface	2*GE+USB+USIM+RJ11+WiFi5
Indicators	POWER, WiFi, WAN/LAN, DATA ,RJ11, LTE
Buttons	Reset/WPS Key

○ LTE WAN Feature

Chipset	ASR1828
Frequency Bands	XMC2841-EU: <ul style="list-style-type: none"> • FDD LTE: B1/B3/B5/B7/B8/B20/B28 • TDD LTE: B38/B40/B41 • UMTS: B1/B5/B8 2CA: <ul style="list-style-type: none"> • B1 + B1/B3/B5/B7/B8/B20/B28; • B3 + B3/B5/B7/B8/B20/B28; • B7 + B5/B7/B8/B20/B28; • B38 + B38, B40 + B40, B41 + B41
Bandwidth	LTE: 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	External, MIMO: 2 * 2 LTE Antennas
RF Power Level	• LTE: Power Class 3 (23 dBm ±2 dB) • UMTS: Power Class 3 (23 dBm ±2 dB)
Data Rate	4G: 3GPP R10 Cat6 FDD: Downlink/Uplink up to 300Mbps/50Mbps TDD: Downlink/Uplink up to 220Mbps/30Mbps 3G: 3GPP R8 DL/UL up to 42Mbps/5.76Mbps

○ WLAN Feature

Chipset	RTL8192FR+RTL8812FR
Frequency	2.4GHz/5GHz
Protocol	802.11a/b/g/n/ac, 20MHz/40MHz/80MHz
Channel	2.4GHz: 1~13; 5GHz: 36 40 44 48 52 56 60 64 100 104 108 112 116 120 124 128 132 136 140 149 153 157 161 165
Receiver input level sensitivity	<ul style="list-style-type: none"> • <-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) • <-61dBm at the antenna port,64QAM,135Mbps, 4096 Byte PSDU@ 802.11n(HT40) • <-55dBm at the antenna port,256QAM,135Mbps, 4096 Byte PSDU@ 802.11ac(HT80)

○ WLAN Feature

Antenna	<ul style="list-style-type: none"> • 2.4GHz External, 2 x 2 MIMO • 5GHz Internal ,2x2 MIMO
Data Rate	<ul style="list-style-type: none"> • 802.11b: Up to 11 Mbps • 802.11g: Up to 54 Mbps • 802.11n: Up to 300 Mbps • 802.11ac: Up to 866.7 Mbps

○ Function Data

Interfaces	<ul style="list-style-type: none"> • LAN/WAN: 2* RJ45 with 10/100/1000Mbps, one can support WAN/LAN Self-Adapter • RJ11: CSFB / VoLTE Voice
USIM	Single, Standard SIM slot 4FF
USB	Type C I/F, Use for FW debug or ECM modem (USB RNDIS)
WebUI	System:Connection Status/Statistics /Device Management/Power Mangement Language:Chinese/English/Español/Portuguê s, Customized Management: TR069/FOTA FW Upgrade: USB/FOTA
Mobile Service	<ul style="list-style-type: none"> • SMS Manager • Automatic APN matching according to USIM • Auto Data Connection • USSD Service optional • PIN/PUK Management • Network Mode Selection(LTE/3G/Auto)
Router	<ul style="list-style-type: none"> • Support SSID • APN management • Access Control, Local Management • Traffic Control (IP QoS) • Access Control, Local Management
L3	<ul style="list-style-type: none"> • Support IPv4/IPv6 • DHCP Server, Dynamic IP, Static IP • UPnP, DMZ • DDNS, NAT, USSD
Security	<ul style="list-style-type: none"> • Support WPA2(AES)-PSK/, WPA-PSK/WPA2-PSK encryptions • Support Firewall • PORT Filtering/ Port Mapping/ Port Forwarding • VPN Pass through contains IPSec VPN, PPTP VPN, L2TP VPN
OS	<ul style="list-style-type: none"> • Windows 7/8/XP/10 • MAC OS 10.10+ • Android 10/11 • Linux Ubuntu 15.04+ • Browser Edge, Firefox, Google Chrome, Safari, Opera
Certification	<ul style="list-style-type: none"> • CE Certification • RoHS Material