

XMC1841

LTE Cat4 CPE



Highlights:

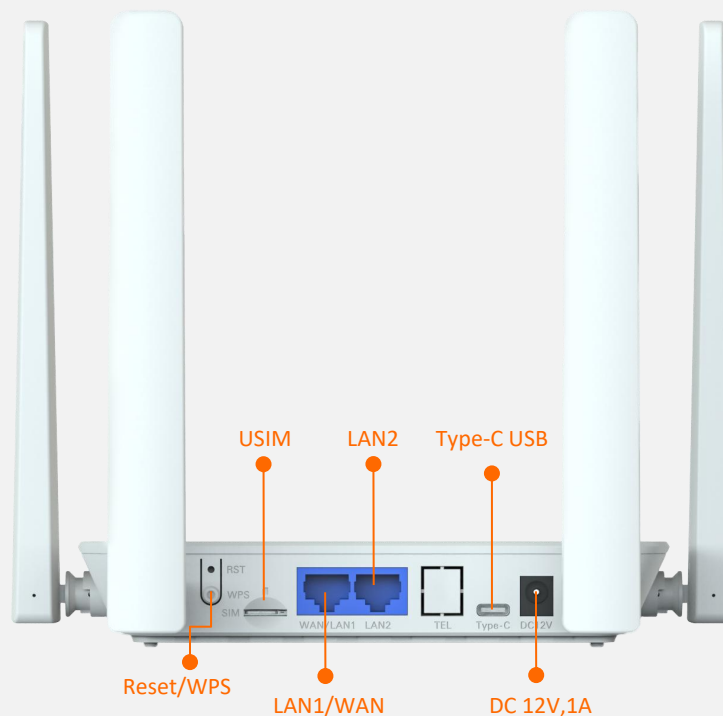
- 2 LTE external antennas & 2 WiFi external antennas
- Easy to set up and manage: WebUI, TR069 remote management and FOTA support
- VPN Protocol: IPSecVPN, PPTP VPN & L2TP VPN
- Usage scenario: Indoor, Home, office, etc.



Introduction:

XMC1841, LTE CPE is developed based on several worldwide proven chipset solutions, integrated with the high technologies in LTE CAT4, WIFI 4 Hotspot, Ethernet WAN/LAN and Web-UI management. It supports TR069 remote management and FOTA.

Interface of XMC1841:



○ Hardware Parameter

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|---------------------|---------------------------------|
| Dimension | 150mm×105mm×30mm(L×W×H) |
| Net weight | 230g |
| 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 | 2FE+USB+USIM+WiFi4 |
| Indicators | POWER, WiFi, WAN/LAN, DATA, LTE |
| Buttons | Reset/WPS |

○ LTE WAN Feature

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|-----------------|--|
| Chipset | ASR1803 |
| Frequency Bands | XMC1841-EU: <ul style="list-style-type: none"> FDD LTE: B1/B3/B5/B7/B8/B20/B28 TDD LTE: B38/B40/B41 XMC1841-AU: <ul style="list-style-type: none"> UMTS: B1/B5/B8 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 | <ul style="list-style-type: none"> DL: QPSK/16-QAM/64-QAM, comply with 3GPP UL: QPSK/16-QAM, comply with 3GPP |
| LTE Antenna | MIMO: 2 * 2 LTE Antennas |
| RF Power Level | <ul style="list-style-type: none"> 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 | RTL8192ES |
| Wi-Fi Frequency | 2.4GHz, 1~13Channel |
| Transmit Power | <ul style="list-style-type: none"> 17±2dBm @ 802.11b 15±2dBm @ 802.11g 14±2dBm @ 802.11n |
| 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) |

○ WLAN Feature

| | |
|--------------|---|
| WiFi Antenna | External, 2 x 2 MIMO |
| Protocol | 802.11b/g/n, 20MHz/40MHz |
| 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 |

○ Function Data

| | |
|------------------|---|
| Interfaces | LAN/WAN: 1xRJ45 or 2* RJ45 with 10/100Mbps |
| 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 Language: Chinese/English/Español/Português, 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(3G/LTE/Auto) |
| Router | <ul style="list-style-type: none"> Support SSID APN management Access Control, Local Management |
| L3 | <ul style="list-style-type: none"> Support IPv4/IPv6 DHCP Server, Dynamic IP, Static IP UPnP, DMZ NAT, USSD |
| Security | <ul style="list-style-type: none"> Support WPA2(AES)-PSK/, WPA-PSK/WPA2-PSK encryptions Support Firewall VPN Pass through contains IPSecVPN, PPTP VPN, L2TP VPN PORT Filtering/ Port Mapping/ Port Forwarding |
| Operating System | <ul style="list-style-type: none"> Windows 7/8/XP/10 MAC OS 10.10+ Andriod 10/11 Linux Ubuntu 15.04+ Browser IE9+, Firefox, Google Chrome, Safari, Opera |
| Certification | <ul style="list-style-type: none"> CE, FCC, GCF(To be applied upon customer's requirement) RoHS Material |