



XMC2841E-NV

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:

XMC2841E-NV, 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 XMC2841E-NV:



○ Hardware Parameter

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|---------------------|----------------------------------|
| 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 | 1*GE+1*USIM+1*Type-C+WiFi5 |
| Indicators | POWER, WiFi, WAN/LAN, DATA , LTE |
| Buttons | Reset/WPS Key |

○ LTE WAN Feature

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| Chipset | ASR1828 |
| Frequency Bands | XMC2841E-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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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

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|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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| 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

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|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces | LAN/WAN: 1* RJ45 with 10/100/1000Mbps, one can support WAN/LAN Self-Adapter |
| USIM | Single, Standard SIM slot 4FF |
| USB | Type-C |
| WebUI | System:Connection Status/Statistics /Device Management/Power Mangement Language:Chinese/English/Español/Português, Customized Management: TR069/FOTA FW Upgrade: 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+ • Microsoft Edge,Firefox, Google Chrome, Safari, Opera |
| Certification | <ul style="list-style-type: none"> • CE Certification • RoHS Material |