

XMC1843

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:

XMC1843, 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 XMC1843:



○ Hardware Parameter

Dimension	150mm×105mm×30mm(L×W×H)
Net weight	230g
Operating condition	Operating temp: -20°C ~ +60°C
Storing condition	Storing temp: -30°C ~ +70°C
Power adapter	DC 12V,0.5A
Power supply	≤12W
Interface	4FE+USIM+WiFi4
Indicators	POWER, WiFi, WAN/LAN, DATA, LTE
Buttons	Reset/WPS

○ LTE WAN Feature

Chipset	ASR1803L
Frequency Bands	XMC1843-EU: <ul style="list-style-type: none">• FDD LTE: B1/B3/B5/B7/B8/B20/B28• TDD LTE: B38/B40/B41 XMC1843-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	• 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	• 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	RTL8192FR
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) • <-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	• 802.11b: Up to 11 Mbps • 802.11g: Up to 54 Mbps • 802.11n: Up to 300 Mbps

○ Function Data

Interfaces	LAN/WAN: 4* RJ45 with 10/100Mbps
USIM	Single, Standard SIM slot 4FF
WebUI	System:Connection Status/Statistics/Device Management Language:Chinese/English/Español/Português, Customized Management: TR069/FOTA FW Upgrade: USB/FOTA
Mobile Service	• SMS Manager • Automatic APN matching according to USIM • Auto Data Connection • USSD Service optional • PIN/PUK Management • Network Mode Selection(3G/LTE/Auto)
Router	• Support SSID • APN management • Access Control, Local Management
L3	• Support IPv4/IPv6 • DHCP Server, Dynamic IP, Static IP • UPnP, DMZ • NAT, USSD
Security	• 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	• Windows 7/8/XP/10 • MAC OS 10.10+ • Andriod 10/11 • Linux Ubuntu 15.04+ • Browser IE9+, Firefox, Google Chrome, Safari, Opera
Certification	• CE, FCC, GCF(To be applied upon customer's requirement) • RoHS Material