



## NET8841

LTE Cat4 CPE

### Highlights:

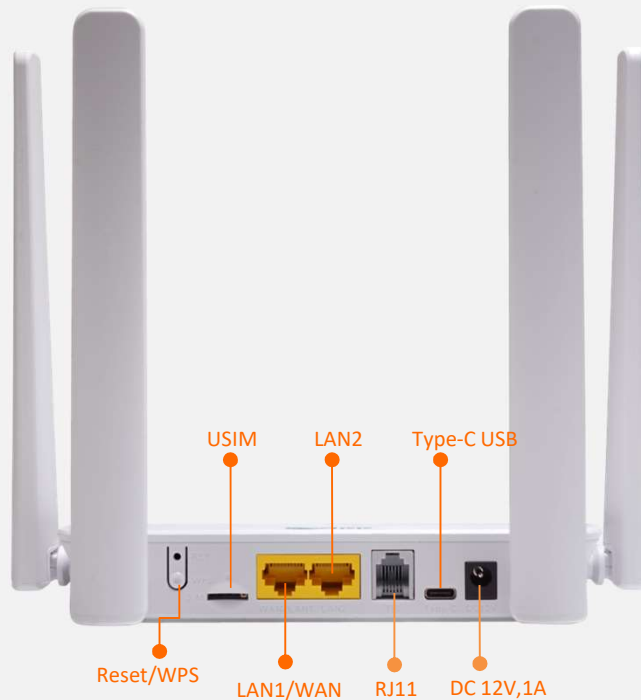
- 2 LTE external antennas & 2 WiFi external antennas
- Easy to set up and manage: WebUI, TR069 remote management and FOTA support
- VPN Protocol: IPSecVPN, PPTP VPN & L2TP VPN
- Usage scenario: Indoor, Home, office, etc.



### Introduction:

NET8841, 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 NET8841:



## ○ Hardware Parameter

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	6, For Status of POWER, WiFi, LAN, WAN,RJ11, LTE
Buttons	Reset/WPS

## ○ LTE WAN Feature

Chipset	ASR1803
Frequency Bands	<ul style="list-style-type: none"> <li>• FDD LTE: B1/B3/B5/B7/B8/B20/B28a</li> <li>• TDD LTE: B38/B40/B41</li> <li>• UMTS: B1/B5/B8</li> </ul>
Bandwidth	1.4/3/5/10/15/20 MHz, comply with 3GPP
Modulation	<ul style="list-style-type: none"> <li>• DL: QPSK/16-QAM/64-QAM, comply with 3GPP</li> <li>• UL: QPSK/16-QAM, comply with 3GPP</li> </ul>
LTE Antenna	MIMO: 2 * 2 LTE Antennas
RF Power Level	<ul style="list-style-type: none"> <li>• LTE: Power Class 3 (23 dBm + 2.7/-3.7dB)</li> <li>• UMTS: Power Class 3 (24 dBm +1.7/-3.7dB)</li> </ul>
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"> <li>• 17±2dBm @ 802.11b</li> <li>• 15±2dBm @ 802.11g</li> <li>• 14±2dBm @ 802.11n</li> </ul>
Receiver input level sensitivity	<ul style="list-style-type: none"> <li>• &lt;-76dBm at the antenna port,QPSK,11Mbps,1024 Byte PSDU @ 802.11b</li> <li>• &lt;-65dBm at the antenna port,64QAM,54Mbps,1024 Byte PSDU @ 802.11g</li> <li>• -64dBm at the antenna port,64QAM,65Mbps,4096 Byte PSDU @ 802.11n(HT20)</li> <li>• &lt;-61dBm at the antenna port,64QAM,135Mbps,4096 Byte PSDU @ 802.11n(HT40)</li> </ul>

## ○ WLAN Feature

WiFi Antenna	External, 2 x 2 MIMO
Protocol	802.11b/g/n, 20MHz/40MHz
Data Rate	<ul style="list-style-type: none"> <li>• 802.11b:Up to 11 Mbps</li> <li>• 802.11g: Up to 54 Mbps</li> <li>• 802.11n: Up to 300 Mbps</li> </ul>

## ○ Function Data

Interfaces	<ul style="list-style-type: none"> <li>• LAN/WAN: 1xRJ45 or 2* RJ45 with 10/100Mbps</li> <li>• CSFB / VoLTE Voice:RJ11</li> </ul>
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 Management Language:Chinese/English/Español/Português, Customized Management: TR069/FOTA FW Upgrade: USB/FOTA
Mobile Service	<ul style="list-style-type: none"> <li>• SMS Manager</li> <li>• Automatic APN matching according to USIM</li> <li>• Auto Data Connection</li> <li>• USSD Service optional</li> <li>• PIN/PUK Management</li> <li>• Network Mode Selection(3G/LTE/Auto)</li> </ul>
Router	<ul style="list-style-type: none"> <li>• Support SSID</li> <li>• APN management</li> <li>• Access Control, Local Management</li> </ul>
L3	<ul style="list-style-type: none"> <li>• Support IPv4/IPv6</li> <li>• DHCP Server, Dynamic IP, Static IP</li> <li>• UPnP, DMZ</li> <li>• DDNS, NAT, USSD</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Support WPA2(AES)-PSK/, WPA-PSK/WPA2-PSK encryptions</li> <li>• Support Firewall</li> <li>• VPN Pass through contains IPSecVPN, PPTP VPN, L2TP VPN</li> <li>• PORT Filtering/ Port Mapping/ Port Forwarding</li> <li>• Traffic Control (IP QoS)</li> </ul>
Operating System	<ul style="list-style-type: none"> <li>• Windows 7/8/XP/10</li> <li>• MAC OS 10.10+</li> <li>• Andriod 10/11</li> <li>• Linux Ubuntu 15.04+</li> <li>• Browser IE9+, Firefox, Google Chrome, Safari, Opera</li> </ul>
Certification	<ul style="list-style-type: none"> <li>• CE, FCC, GCF(To be applied upon customer's requirement)</li> <li>• RoHS Material</li> </ul>