

# ML3121



## 4.5G+/4.5G/4G/FDD LTE/TDD LTE/3G Modem Router

### Description

The LEANOTEK ML3121 Modem gives you advance LTE connectivity solution for your devices, avoiding disruptions in broadband when your fixed wire line goes down. Simply connect this modem directly to your router, switch, or computer to provide an automatic 4.5G/4G or 3G broadband backup connection with a download speed of up to 600 Mbps. The LEANOTEK ML3121 Modem is also compact, convenient, and simple to setup.



Specifications	
<b>Hardware Specification</b>	LTE Chipset: Qualcomm Snapdragon Series DDR: 256MB, Flash: 256MB, CPU: 1.3 GHz Wi-Fi Chipsets: Realtek
<b>LTE Standard</b>	3GPP Release 12
<b>Button</b>	ON/OFF, WPS, Reset
<b>USIM</b>	1.8V/3V 2FF
<b>LTE Specification</b>	Category: 12, FDD and TDD Supports downlink QPSK, 16QAM, 64QAM and 256QAM modulation Supports uplink QPSK, 16QAM and 64QAM modulation Supports 1.4 MHz to 60 MHz (3CA) RF bandwidth Supports 4x4 MIMO in DL direction FDD: Max. 600 Mbps Downlink, 150 Mbps Uplink TDD: Max. 430 Mbps Downlink, 90 Mbps Uplink Antenna: 5.5dBi Internal – 4x4 MIMO
<b>Wi-Fi Specification</b>	Rate: 2.4 GHz: 300 Mbps (MIMO 2x2) 5 GHz: 867 Mbps (MIMO 2x2) Antenna: 2.4 GHz 5dBi Internal, 5GHz 5dBi Internal IEEE: 802.11a/b/g/n/ac
<b>Physical Ports</b>	4*ETH RJ45 LAN Port 10/100/1000 Auto-Sensing, Auto-MDI/MDIX 1*SIM Card Holder
<b>Number of Concurrent Users</b>	64(32x2.4GHz-32x5GHz), (MU-MIMO)



## 4.5G+/4.5G/4G/FDD LTE/TDD LTE/3G Modem Router

IP Index – Dual Stack	IPv4/IPv6
Operation Mode	Router/NAT/Bridge
TR069	Support
SNMP	Support
Cell Lock	Support
SIM lock	Support
L2/L3 Firewall	Support
NAT Mode	Support
NAT Enterprise	Support
DHCP	Support
DMZ	Support
GRE Tunneling	Support
Multi APN	Support
IP Routing	Support
SSH/Telnet	Support
Port Forwarding	Support
PPTP, L2TP VPN client	Support
L2TP BCP	Support
Web base Management - GUI	Support
Working Frequency	FDD: B1/B3/B7/B8/B20 TDD: B40/B42 HSPA+/HSPA/WCDMA: B1/B8
CA info (3CA)	CA_1A-1A3A CA_1A-1A-7A CA_1A-20A-42A CA_1A-3A-20A CA_1A-3A-3A CA_1A-3A-40A CA_1A-3A-42A CA_1A-3A-7A

## 4.5G+/4.5G/4G/FDD LTE/TDD LTE/3G Modem Router

CA_1A-3A-8A
CA_1A-3C
CA_1A-42C
CA_1A-7A-20A
CA_1A-7A-42A
CA_1A-7A-7A
CA_1A-7A-8A
CA_1A-7C
CA_1A-8A-40A
CA_1C-3A
CA_20A-40C
CA_3A-20A-42A
CA_3A-3A-20A
CA_3A-3A-7A
CA_3A-3A-8A
CA_3A-40A-40A
CA_3A-40C
CA_3A-42C
CA_3A-7A-20A
CA_3A-7A-42A
CA_3A-7A-7A
CA_3A-7A-8A
CA_3A-7B
CA_3A-7C
CA_3A-8A-40A
CA_3C-20A
CA_3C-40A
CA_3C-7A
CA_3C-8A
CA_40A-42C
CA_40C-42A
CA_7A-20A-42A
CA_7A-40C
CA_7A-7A-8A
CA_7C-20A

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## 4.5G+/4.5G/4G/FDD LTE/TDD LTE/3G Modem Router

	CA_7C-8A CA_8A-40C CA_8A-42C
CA info (2CA)	B1+B1/B3/B7/B8/B20/B40; B3+B3/B7/B8/B20/B40; B7+B7/B8/B20; B20+B40; B40+B40; B42+B42.
Working Environment	Operating Temperature: -35 °C to +75 °C Extended Temperature: -40 °C to +85 °C
Power	Input Universal Range 100~240V AC, Output: 12V/1.0A DC
Power Consumption	<12W
Case	ABS Material, Plastic case
Product Dimensions	265*170*31 mm