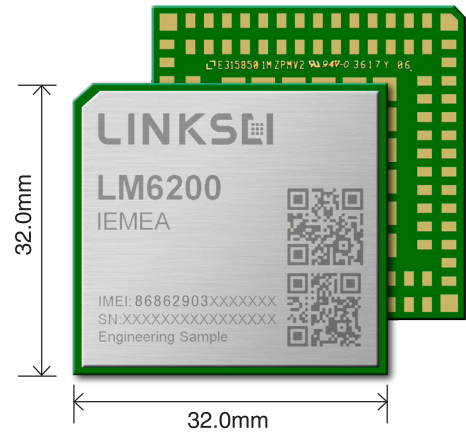


**LM6200** is a series of automotive grade LGA module developed by LINKSCI. Designed and manufactured according to IATF16949:2016 processes, it provides rich interfaces enabling automobile OEMs and aftermarket telematics developers to integrate and complete targeted certification quickly.



- ✓ LTE CAT4 up to 150Mbps for downlink data transfer
- ✓ Backward-compatible with living 2G/3G/4G networks to meet the operators requirements of China, Europe, Middle East and North America
- ✓ GPS/GLONASS/Galileo/Beidou
- ✓ e-Call/ERA GLONASS/E911
- ✓ UART,USB2.0,I2C,PCM,I2S,SDIO3.0,HSIC,GPIO
- ✓ Wide operation temperature range (-40°C to +85°C) meets the demanding requirements for automotive devices
- ✓ Image signature/File System Core data encryption/Firewall/Support 3DES 112/168,AES 128/192/256,RSA/Sandbox
- ✓ FOTA

 LTE Cat.4	 2G/3G/4G	 GNSS
 e-Call	 USB2.0	 -40° ~ +85°
 Core data encryption	 FOTA	 LGA Package

## Product Selector

Q=Quad Band

Model	Region	Access Technology					
		LTE FDD Bands	LTE TDD Bands	WCDMA Bands	TD-SCDMA Bands	CDMA 1X/EV-DO Bands	EDGE/GPRS/GSM Bands
<b>LM6200</b> <i>IEMEA</i>	EMEA	1/3/5/26/7/8/20(28)	38(40)(41)	1/5/8	/	/	850/900/1800
<b>LM6200</b> <i>ICN</i>	CHINA	1/3/5/26/8	38/39/40/41	1/5/8	34/39	BC0	Q
<b>LM6200</b> <i>ANA</i>	NA	2/4/5/12(17)/7/66/71	/	2/4/5	/	/	850/1900

# LM6200

Driving your dream

## General Feature

Platform: MDM9628/MDM9x07  
Dimensions: 32.0mm × 32.0mm × 3.0mm  
Weight: About 8 g  
LGA 108Pin Package  
Voltage Range: 3.4V~4.2V  
Typical Value: 3.8V  
GPS/GLONASS/Galileo/Beidou

## Temperature & Humidity

Operating Temperature: -40°C ~ +85°C  
Storage Temperature: -40°C ~ +90°C  
Humidity: 5% ~ 95%

## Voice

Speech Codec Modes:  
HR / FR / EFR / AMR / AMR-WB  
CSFB

## Data

LTE:  
FDD: Max 150Mbps (DL)/Max 50Mbps (UL)  
TDD: Max 130Mbps (DL)/Max 35Mbps (UL)  
WCDMA:  
Max 42.2 Mbps (DL)/ Max 5.76 Mbps (UL)  
TD-SCDMA:  
Max 4.2Mbps (DL)/ Max 2.2Mbps (UL)  
CDMA 1X/EVDO:  
Max 3.1Mbps (DL)/ Max 1.8Mbps (UL)  
GERAN:  
Max 236 Kbps (DL)/Max 59.2 Kbps (UL)

## SMS Feature

Point-to-point MO and MT SMS  
Text and PDU Mode  
SMS Status Report  
SMS center address setting  
Management of SMS

## Interface

USB 2.0 High speed (480 Mbps)  
UART1(4-wires)  
UART2(2-wires)

SIM interface (1.8/3.0V)  
SPI  
I2C  
PCM  
I2S  
SDIO3.0  
HSIC  
SDC1 (for Wi-Fi)  
SDC2 (for SD-CARD)  
Reset & Power-on  
WAKE-IN & WAKE-OUT  
GPIO

## Electrical & Sensitivity

Transmit Output Power:  
LTE: 23 ±2.7dBm (Class 3)  
WCDMA: 24 +1/-3dBm (Class 3)  
TD-SCDMA: 24+1/-3dBm (Class 2)  
CDMA BC0: 24±1dBm (Class 3)  
GSM900: 33±2dBm (Class 4)  
GSM1800: 30±2dBm (Class 1)  
EDGE900: 27dBm±3dB (Class E2)  
EDGE1800:26dBm±3dB (Class E2)  
Consumption:  
Power off: 20uA  
Standby: 2mA  
Idle: 25mA  
Sensitivity:  
FDD B1: -101.5dBm (10M)  
FDD B3: -101.5dBm (10M)  
FDD B5: -102dBm (10M)  
FDD B7: -100dBm (10M)  
FDD B8: -102dBm (10M)  
FDD B26: -102dBm (10M)  
FDD B28A: -101.5dBm (10M)  
FDD B28B: -101.5dBm (10M)  
TDD B38: -100dBm (10M)  
TDD B39: -100dBm (10M)  
TDD B40: -100dBm (10M)  
TDD B41: -100dBm (10M)  
WCDMA B1: -110.5dBm  
WCDMA B5: -110.5dBm  
WCDMA B8: -110.5dBm

TDSCDMAB34: -112dBm  
TDSCDMAB39: -112dBm  
CDMA BC0:-109dBm  
GSM 850: -109dBm  
GSM 900: -109dBm  
GSM 1800: -109dBm  
GSM 1900: -109dBm

## Software Features

### Drivers:

Windows XP/Vista/7/8/8.1/10

Linux

### Protocols:

Embedded TCP/IP  
TCP/UDP/PPP/HTTP/FTP/SMTP/SSL/MMS/  
NTP/DTMF

### Firmware upgrade:

Via USB  
Via FOTA

## Security

Image Signature  
File System Core data encryption  
Firewall  
Support 3DES 112/168, AES  
128/192/256, RSA  
Sandbox

## Enhanced Features

e-Call /ERA GLONASS /E911  
DTM  
FOTA

**LINKSYS**