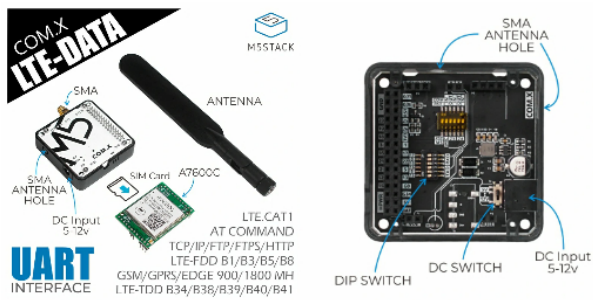


# COM.LTE-DATA

SKU:M031-E



## Description

**COM.LTE-DATA** is a stackable multifunctional LTE communication module with built-in LTE communication module A7600C, supporting LTE-TDD/LTE-FDD/EDGE/GPRS and GSM frequency bands, and the transmission rate is LTE.CAT1 standard.

Its performance is stable, the appearance is small and well designed, the cost performance is high and can transmit data with low power consumption. The module has a DC power input and can provide 5V-12V power supply through an external power supply.

In order to facilitate the user to configure the pin, the DIP switch is used to set the pin. This module is especially suitable for remote meter reading, smart phones, smart wearables, smart parking, municipal management and other IoT industries with low power consumption and compact size as the core requirements.

**COM.LTE-DATA RXD/TXD can be connected to M5Stack's UART (TX(0/13/17)RX(5/15/16)) by setting the DIP switch, GPIO in M5Stack Fire 16/17 It is connected to PSRAM by default. It is recommended to use any one of the remaining two groups of pins.**

**Dial the DIP switch on the side of the audio configuration pin to ON when in use**

## Product Features

- Stackable design
- Independent external power supply
- AT command control
- SIM card type: MicroSIM
- Status signal: two LED indicators
- External antenna: SMA antenna
- Serial communication: UART 115200bps

Frequency band:

- LTE-TDD B34/B38/B39/B40/B41
- LTE-FDD B1/B3/B5/B8
- GSM/GPRS/EDGE 900/1800 MHz\*

Data transmission speed:

- LTE Cat 1
  - (UL) 5Mbps
  - (DL) 10Mbps
- EDGE
  - UL/DL 236.8Kbps
- GPRS
  - UL/DL 85.6Kbps

## Protocol

TCP/IP/IPV4/IPV6/MultiPDP/FTP/FTPS/HTTP/HTTPS/DNS  
RNDIS/PPP/ECM  
SSL

## Include

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1x COM.LTE-DATA module  
1x SMA antenna

## Applications

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Smart meter  
Smart parking  
Municipal management

## Specification

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Resources	Parameter
Frequency band	LTE-FDD/LTE-TDD/WCDMA/GSM
Network protocol	TTCP/IP/IPV4/IPV6/ Multi-PDP/FTP/FTPS/HTTP/ HTTPS/DNS etc.
Communication	UART 115200bps
Net Weight	54g
Gross Weight	89g
Product Size	54.2*54.2*13.2mm
Package Size	165*60*36mm

## Operator frequency bands in some countries

The following content is for reference only.

North America	B4 (1700), B12 (700), B66 (1700), B71 (600), B26 (850)
Asia Pacific	B1(2100), B3(1800), B5(850), B8(900), B18(850), B20(800), B26(850),B28(700)
Europe:	B3 (1800), B8 (900) , B20 (800)
Latin America	B2(1900), B3(1800), B5(850), B28(700)
Commonwealth of Independent States	B3 (1800), B8 (900), B20 (800)
Sub-Saharan Africa	B3(1800), B8(900)
Middle East, North Africa	B8(900), B20(800)

## EasyLoader

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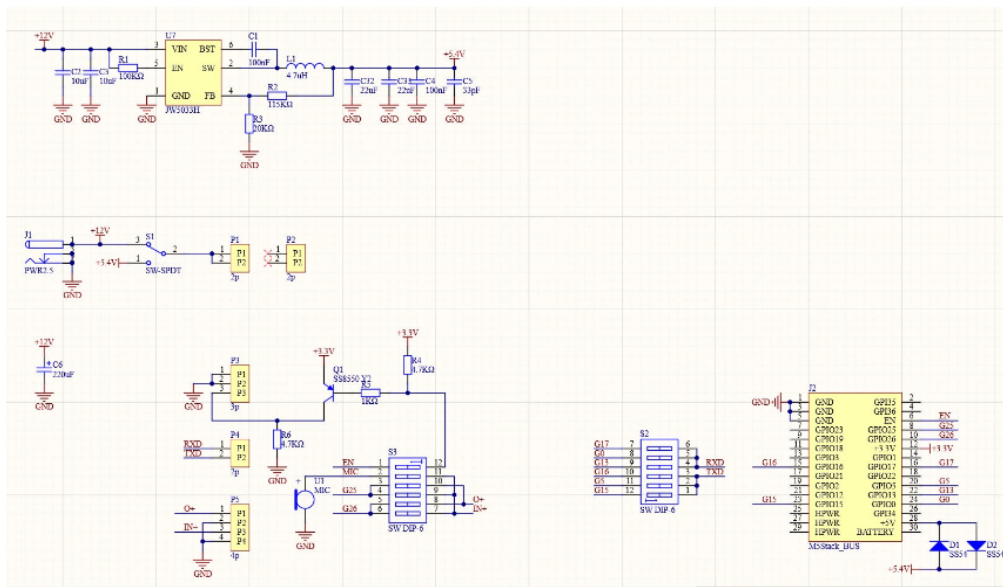
EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the main control by simple steps to perform a series of function verification. Please install the corresponding driver according to the device type. M5Core host [Please click here to view the CP210X driver installation tutorial](#), M5StickC/V/T/ATOM series can be used without driver)

## Related Link

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AT Command  
[A7600C AT command](#)

# Schematic



## PinMap

M5Stack	TX(GPIO0/13/17)	RX(GPIO5/15/16)	5V	GND
COM.LTE-DATA	RX	TX	VIN	GND

## Example

To get complete code, please click [here](#)

Last updated: 2020-12-24

## PURCHASE