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T-Deck Plus Meshtastic

Upgraded based on T-Deck, mainly added GPS module, and Built-in 2000 mah battery

Specifications

MCU	ESP32-S3FN16R8 Dual-core LX7 microprocessor
Wireless Connectivity	2.4 GHz Wi-Fi & Bluetooth 5 (LE)
Development	Arduino, PlatformIO-IDE, Micropython
Flash	16MB
PSRAM	8MB
Battery ADC PIN	IO04
Onboard functions	GPS,TF Card,Microphone,Speaker
2.8 inch ST7789 SPI Interface IPS LCD: Resolution: 320 x 240 Full viewing angle	
SX1262 LoRa Transceiver	

Help

Transmit power	+22dBm
Frequency Optional	433/868/915Mhz

Tech Support

[Product Information](#)

Check out our GitHub repository for sample code and more detailed information about this board.

[Technical support](#)

Visit our GitHub community, post a description of the problem and our engineers will help you directly.

ST7789 320x240 LCD

DC -- IO11 MOSI -- IO41
BL -- IO42 MISO -- IO38
SCK -- IO40 Touch -- IO16

ES7210_SCK IO47
ES7210_DIN IO14
ES7210_LRCK IO21
ES7210_MCLK IO48

Microphone

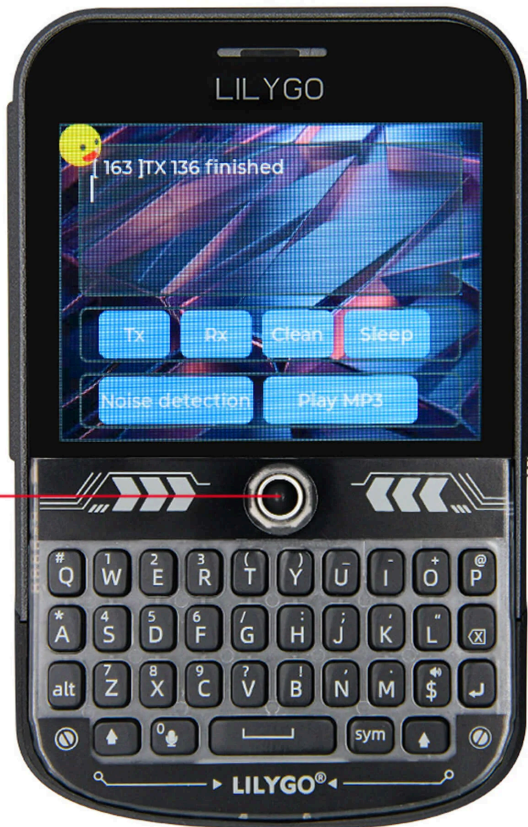
TF Card

MOSI -- IO41
MISO -- IO38
SCK -- IO40
CS -- IO39

POWER_ON -- IO10

Capacity: **2000mAH**

BAT ADC -- IO04



Trackball Keyboard Color Optional

UP
IO02

Black or **White**

LEFT **Boot** RIGHT
IO01 **IO00** IO15

DOWN
IO03



Seat used



GPS

RX(44)
TX(43)

TX(21)
RX(20)
IO09(BOOT)
RST
GND
VCC

ESP32-C3

①433Mhz
②868Mhz
③915Mhz
④None

Optional



AUX connector for
extended antenna use

knockout x 2

SX1262 LoRa Module

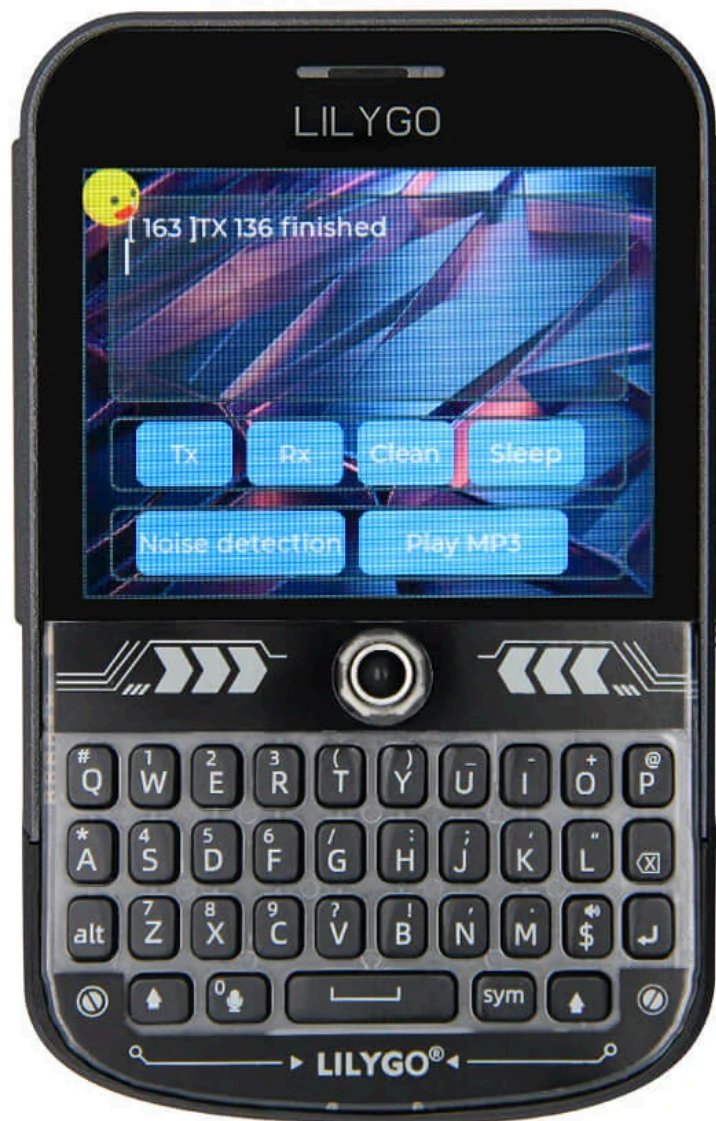
SCK -- IO40
MISO -- IO38
MOSI -- IO41
DIO1 -- IO45
Reset -- IO17
Busy -- IO13

LILYGO T-Deck Plus PINMAP

ESP32-S3 + **GPS** + LoRa + LCD + Mic + Speaker

What's In The Box

915Mhz/ 868Mhz



915Mhz/ 868Mhz/ 433Mhz External antenna



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Contact

Orders/Products: orders@lilygo.cc

Business: info@lilygo.cc

Monday – Friday

9:30 am - 5:30 pm UTC+8.

A803, Yousuowei Bldg, No.2000 Jiaxian Rd, Gangtou Community, Bantian,
Longgang Shenzhen, Guangdong, CN

Keep In Touch

Email