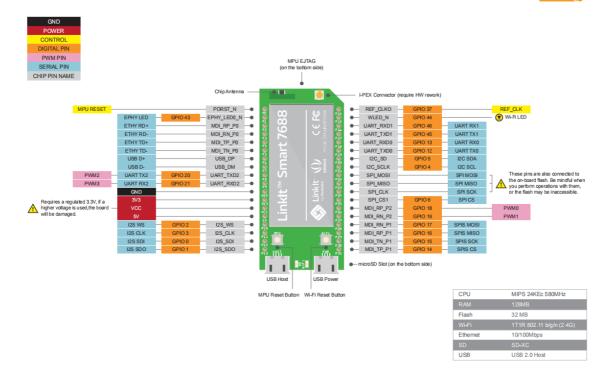
# **LinkIt<sup>™</sup> Smart** 7688







## 1. 通过USB转UART连接到MT7628的Uart0 (P17 P18)

• 打开串口调试软件, 波特率设置115200

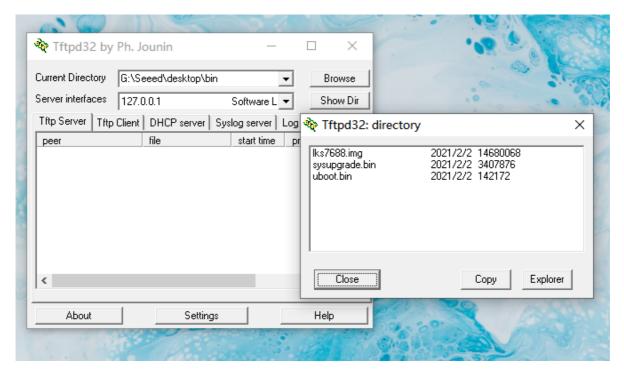
## 2. 通过USB-micro C线连接到MT7628的USB Power

可以看到系统启动信息在串口调试软件串口输出

系统启动后,输入iwinfo,可以看到

```
wlano ESSID: "WT-LEDE"
Access Point: 00:88:88:20:00:16
Mode: Master Channel: 11 (2.462 GHz)
Tx-Power: unknown Link Quality: unknown/70
Signal: unknown Noise: unknown
Bit Rate: unknown
Encryption: none
Type: nl80211 HW Mode(s): 802.11bgn
Hardware: unknown [Generic MAC80211]
TX power offset: unknown
Frequency offset: unknown
Supports VAPs: yes PHY name: phy0
```

- 1) 通过PC连接到该AP WT-LEDE
- 2) 使用tftpd32工具(也可以用其它代替)在PC搭建一个tftp server



Current Directory 就是存放固件的文件路径,点击show Dir可以看到路径的地址

3) 在串口调试工具terminal下键入以下启动运行更新uboot功能

```
cd /tmp
tftp -g 192.168.20.xxx -r sysupgrade.bin #ip 地址可以在PC端通过 ipconfig查看
sysupgrade -n /tmp/sysupgrade.bin
```

系统更新完成后系统会重启,或者手动断电重启

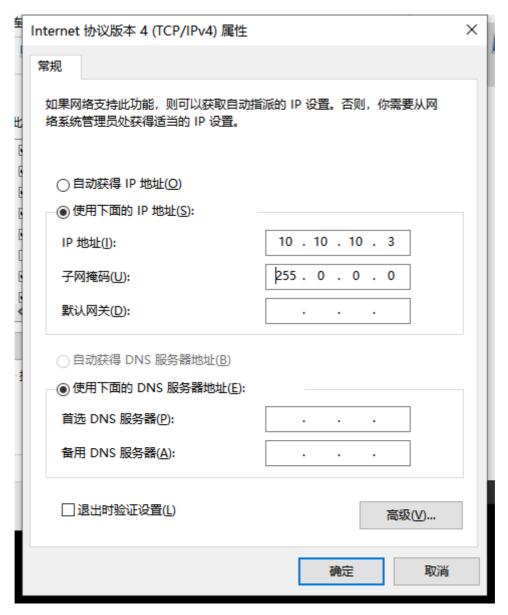
4) 重复以上1), 2) 操作, 在串口调试工具terminal下键入更新uboot功能

```
cd /tmp
tftp -g 192.168.1.xxx -r uboot.bin #ip 地址可以在PC端通过 ipconfig查看
mtd write uboot.bin u-boot
sync
```

#### 完成更新后

uboot断电重启,接下来继续更新固件

- 5) 更新固件
  - 重复操作2)
  - 将USB转UART接入MT7628 UART2(P8 P9), 通过网线将mt7628与PC进行连接。
  - 配置PC端IP地址



### • 重新上电

○ 上电后,立即在串口调试串口键入2

Please choose the operation:

1: Load system code to SDRAM via TFTP.

2: Load system code then write to Flash via TFTP.

3: Boot system code via Flash (default).

4: Entr boot command line interface.

7: Load Boot Loader code then write to Flash via Serial.

9: Load Boot Loader code then write to Flash via TFTP.

You choosed 2

键入y进入网口更新固件模式
 device IP还有Server IP采用默认配置直接回车
 Linux Kernel filename 键入 lks7628.img

```
2: System Load Linux Kernel then write to Flash via TFTP.
Warning!! Erase Linux in Flash then burn new one. Are you sure?(Y/N)
Please Input new ones /or Ctrl-C to discard
Input device IP (10.10.10.123) ==:10.10.10.123 #回车
Input server IP (10.10.10.3) ==:10.10.10.3 #回车
Input Linux Kernel filename () ==:1ks7628.img #输入固件名称1ks
```

#### 此时出现以下信息升级完成后出现,升级完成后就会重启

```
checksum bad
TFTP from server 10.10.10.3; our IP address is 10.10.10.123 Filename 'lks7628.img'.
TIMEOUT_COUNT=10,Load address: 0x80100000
.oading: Got ARP REPLY, set server/gtwy eth addr (0c:9d:92:bb:9e:08)
###################
########
done
Bytes transferred = 14680068 (e00004 hex)
```