

LLM630 Compute Kit Config

| ADB Tools

The LLM630 Compute Kit can be debugged using the ADB debugging tool. This tutorial explains how to access the LLM630 Compute Kit terminal and transfer files using ADB tools. Before proceeding, please download the [ADB Platform-Tools](#) for your operating system.

| File Transfer

1.Connect the LLM630 Compute Kit's **OTG** interface to your computer via USB



2.Navigate to the ADB tool directory and use the **push** command to transfer files. If you see "Permission denied," execute the following command:

```
adb.exe kill-server
```

3.Transfer the file

```
# adb.exe push local remote  
adb.exe push data.json /opt
```

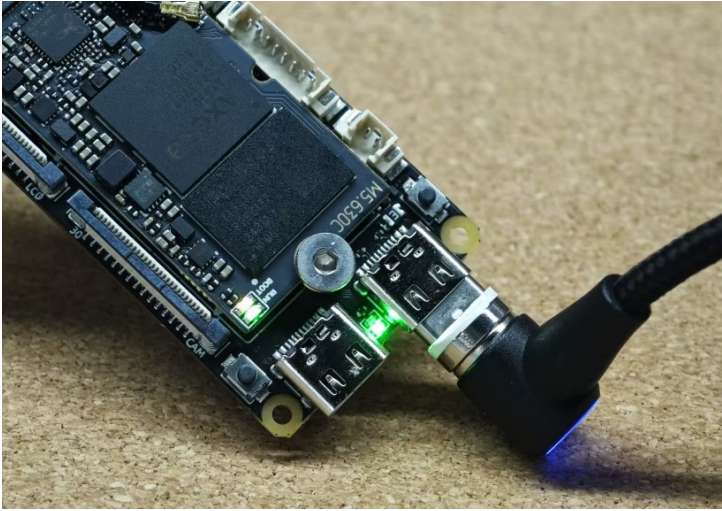
4.Access the device terminal

```
adb.exe shell
```

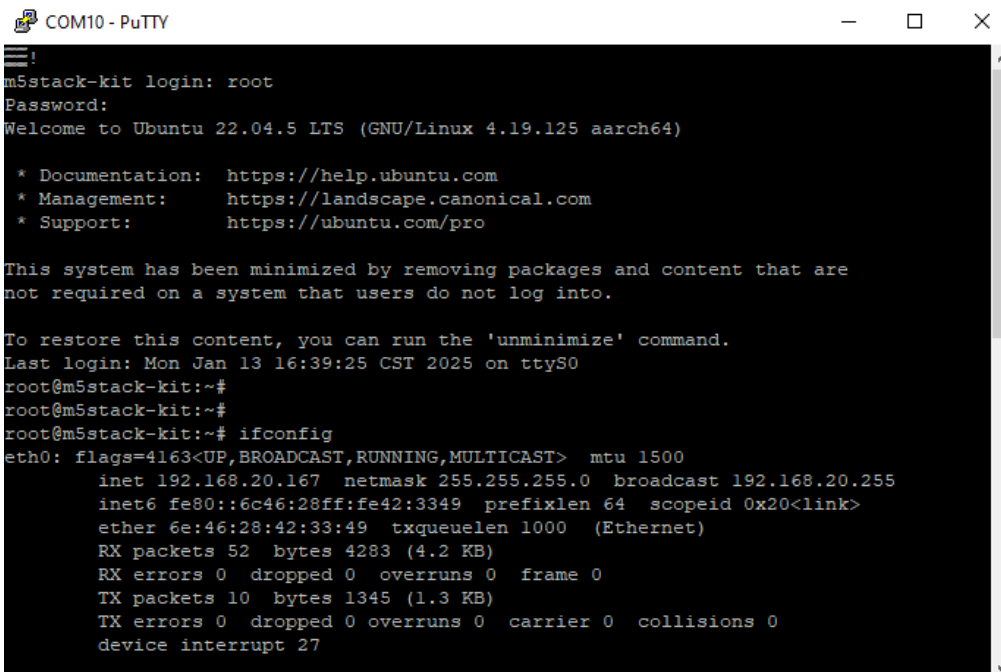
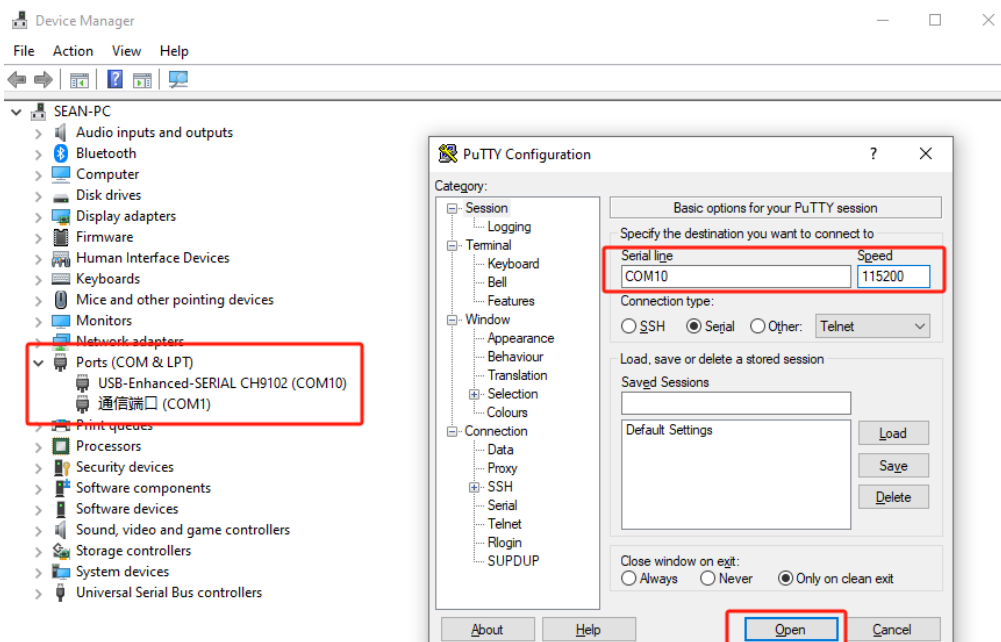
```
/ # ls /opt/  
bin data etc include jupyter lib m5stack swupdate usr
```

| UART

1.Connect the LLM630 Compute Kit's UART interface to your computer. You can use debugging tools like [Putty](#) to log into the device terminal via serial port for debugging and control. (Default: 115200bps 8N1, default username is **root** , password is **root** .)\

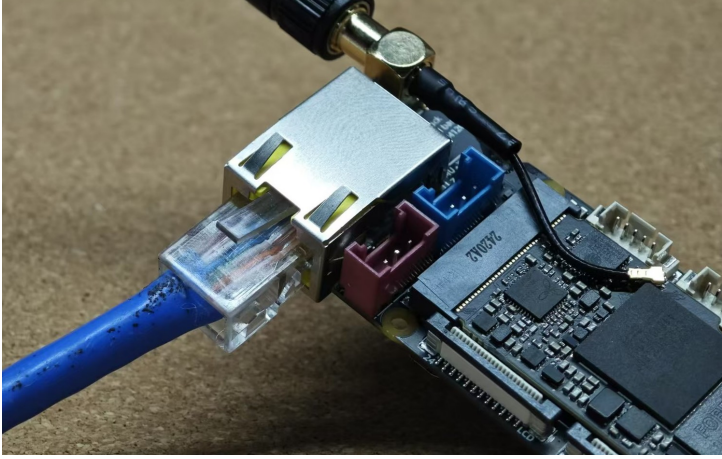


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Ethernet

The LLM630 Compute Kit provides an Ethernet interface for easy network access and functional debugging.\



| Wi-Fi

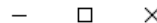
The LLM630 Compute Kit features an onboard ESP32-C6 as the Wi-Fi chip, making it easy to connect to wireless networks. Refer to the following steps to enable Wi-Fi and configure the connection. Please install the accompanying SMA external antenna before use.

```
core-config
```



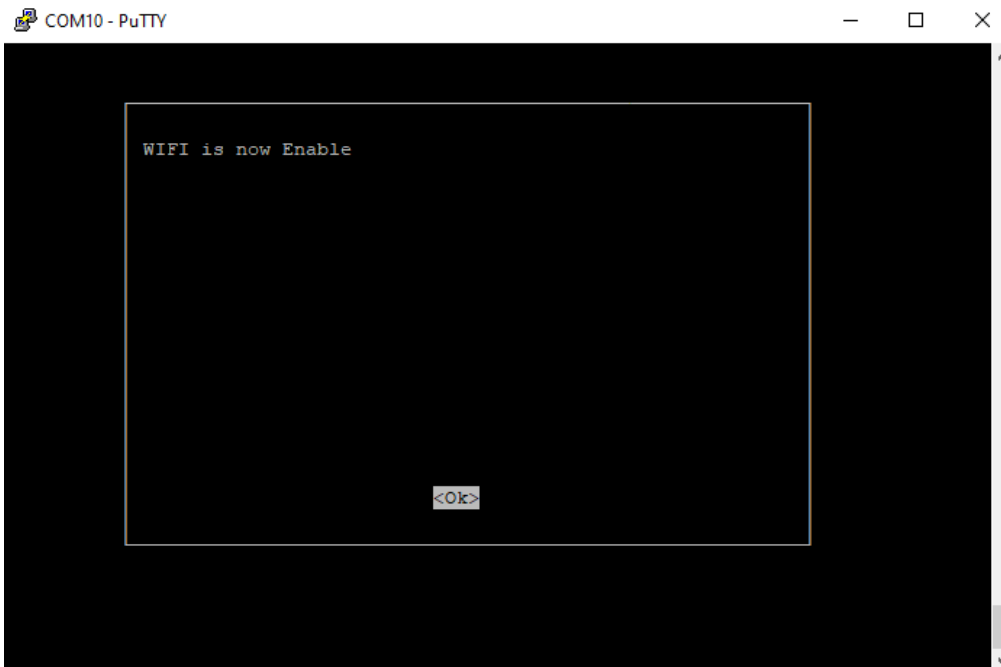
1 Change User Password	Change password for the default user (debian)
2 Internationalisation Options	Set up language and regional settings to match your environment
3 Advanced Options	Configure advanced settings

<Finish>



A1	Hostname	Set the visible name for this Pi on a network
A2	SSH	Enable/Disable remote command line access to your device
A3	SSH for root	Enable/Disable remote command line access to your root user
A4	MEM	Set Kernel MEM size, reboot to apply the configuration.
A5	esp32c6-wifi	Enable/Disable wifi.

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The default network configuration tool in the LLM630 Compute Kit is **nmtui** . You can use the **nmtui** tool to easily configure Wi-Fi connections.

```
nmtui
```

| NetworkManager TUI |

Please select an option

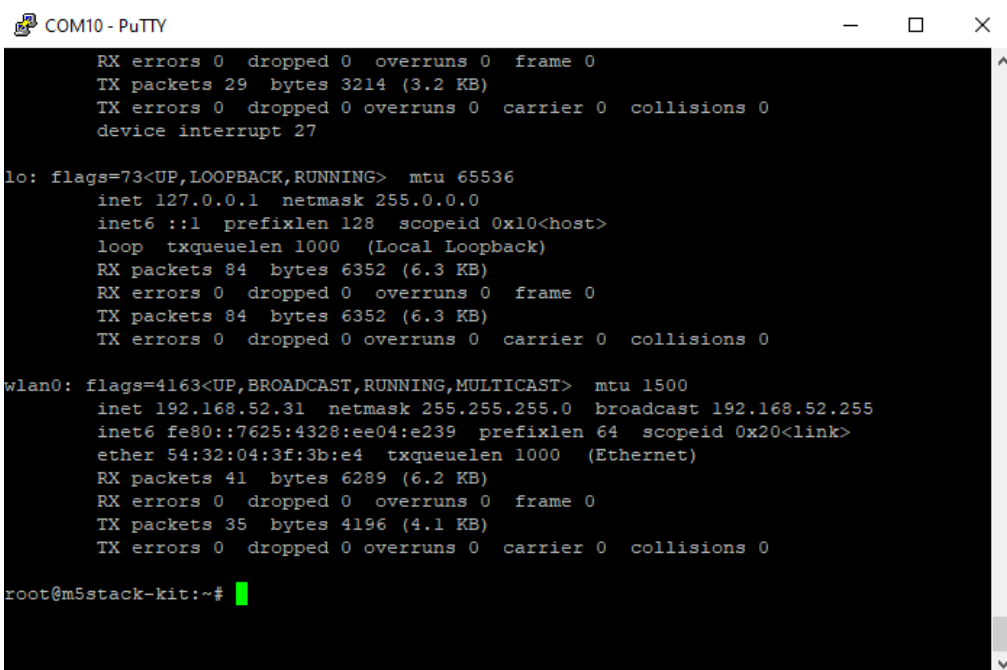
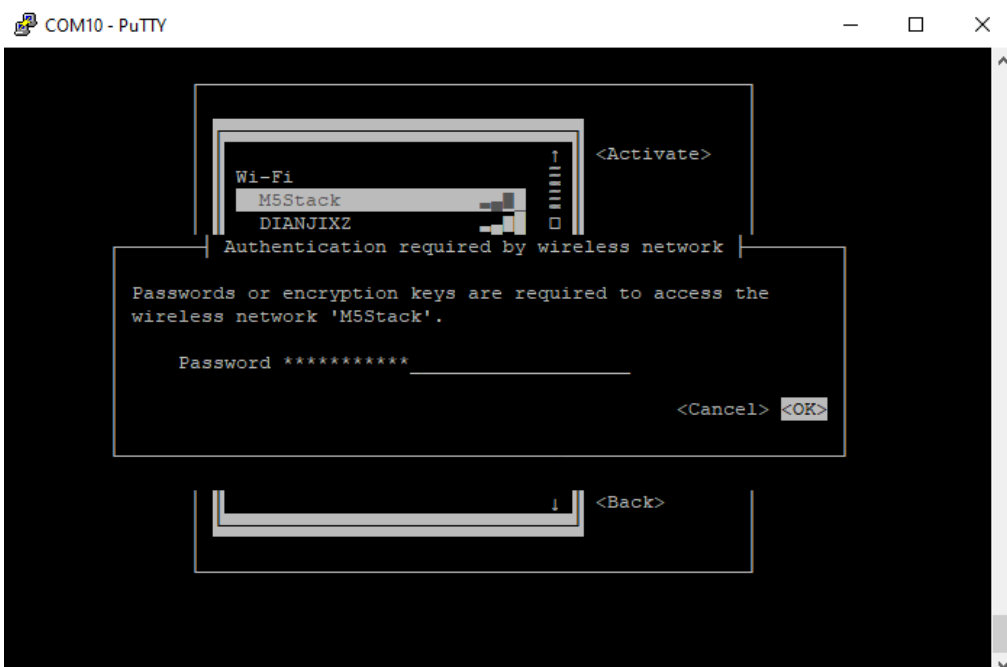
Edit a connection
Activate a connection
Set system hostname

Quit

<OK>

Wi-Fi

M5Stack	↑	<Activate>
DIANJIXZ	□	
ocean	□	
GL-AXT1800-06a	□	
CMCC-NFUU	□	
Real-Internet	□	
M5Stack-Production	□	
M5Stack-Guest	□	
A_ESP_2.4G	□	
hzwnal	□	
Xiaomi_32BD	□	
OeasYACS9645058	□	
	↓	<Back>



SSH

1.Connect the LLM630 Compute Kit to the network via Ethernet and follow the ADB/UART connection tutorial above to access the device terminal. Use the following command to get the device's IP address:

```
ifconfig
```

2.Access the device remotely via SSH in the local area network. The default username is **root** , and the password is **root** .

```
ssh root@192.168.20.167
```



```
PS D:\Products Resouce\New Available\LLM630 Compute Kit> ssh root@192.168.20.167
root@192.168.20.167's password:
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 4.19.125 aarch64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

This system has been minimized by removing packages and content that are
not required on a system that users do not log into.

To restore this content, you can run the 'unminimize' command.
Last login: Mon Jan 13 16:39:29 2025
root@m5stack-kit:~# pwd
/root
root@m5stack-kit:~# |
```