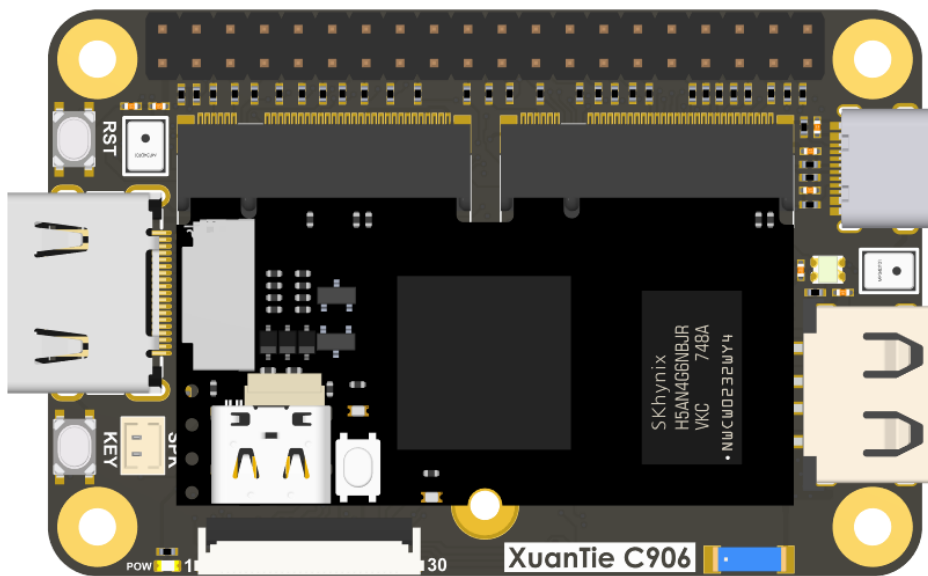


# D1 Dock Pro Datasheet v1.0



## Feature:

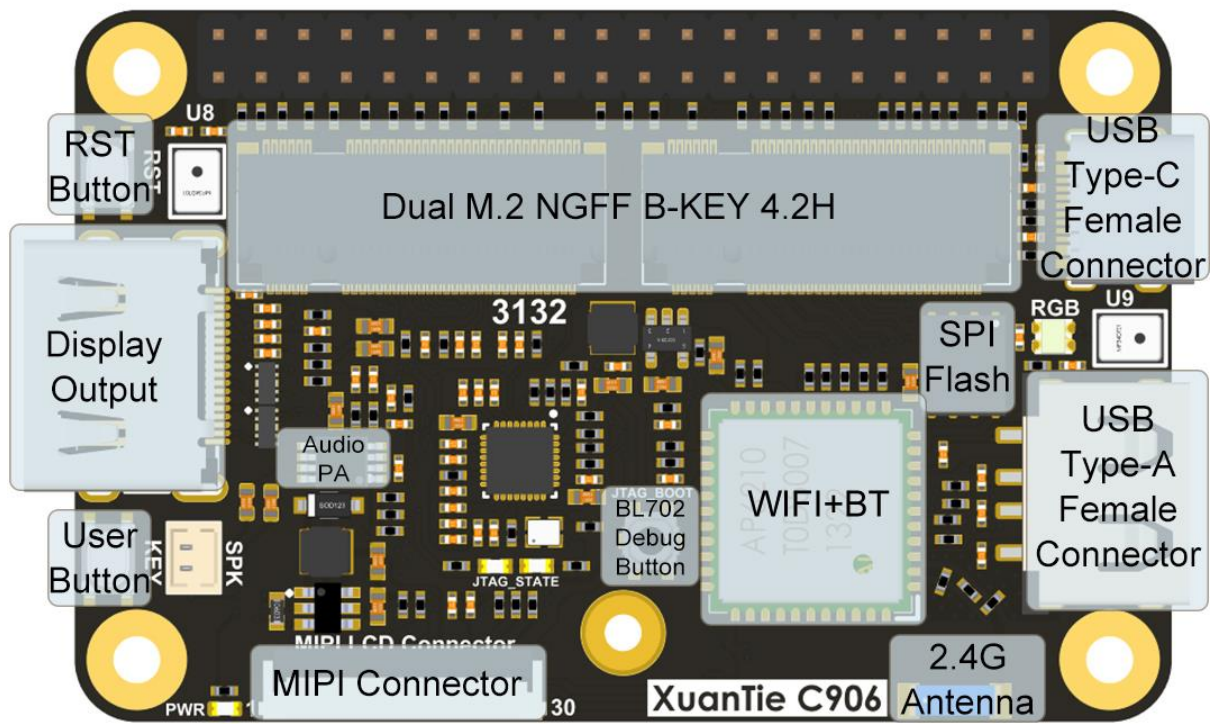
- Adapted for Lichee RV Compute Module
- Support HDMI Output, Both Video & Audio
- 2.4G Wi-Fi & BT Module with Antenna on Board
- One USB-A High-Speed for Host-mode
- USB-UART & USB-JTAG provided by BL702
- Two MEMS Microphone
- MIPI LCD Connector, RGB LCD Connector
- Ext. Touch Panel Connector

Update Notes	
V1.0	06/07/2022; Original release.

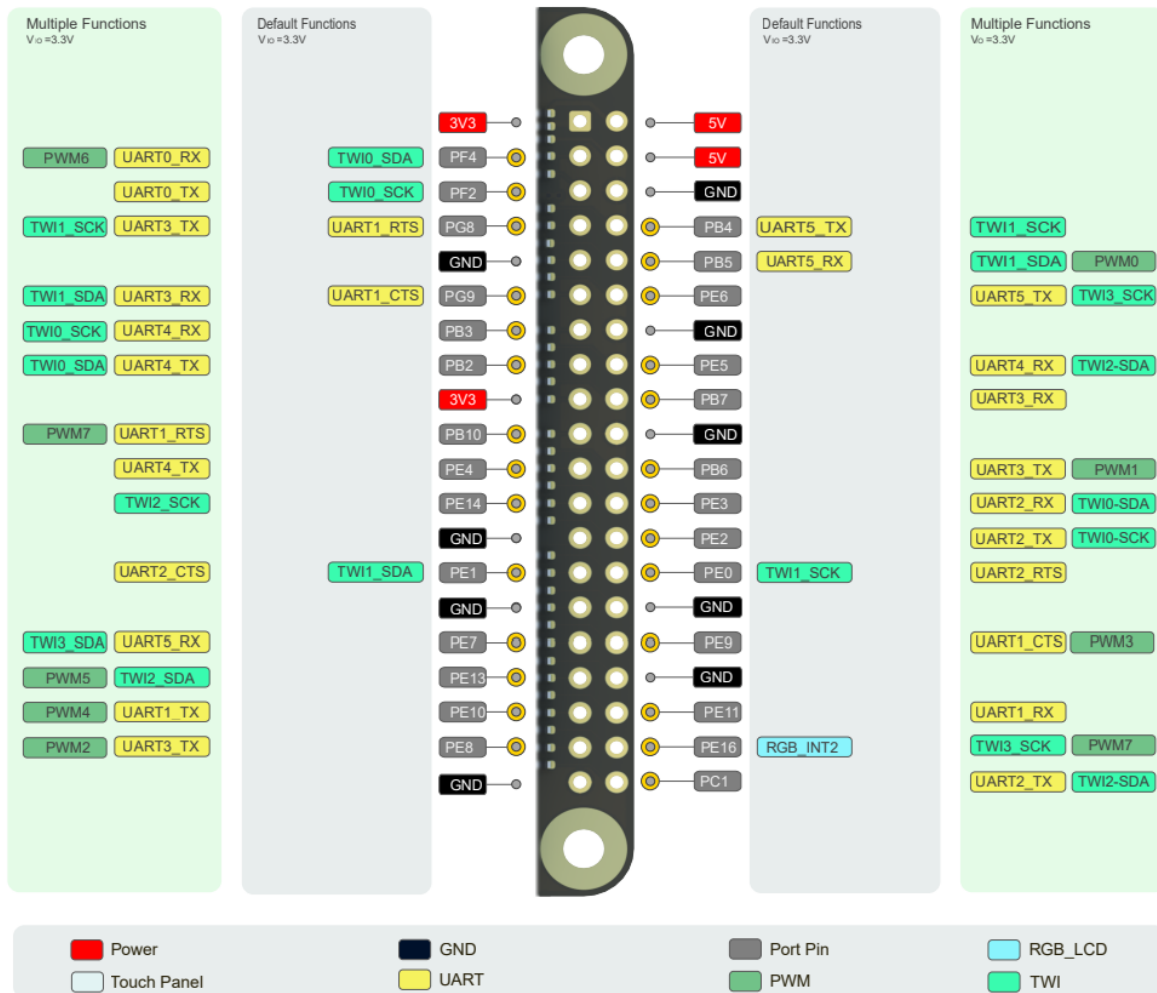
Hardware Overview	
Adapted CM	Lichee RV Compute Module
Display Output	HDMI Type-A Conn. With Audio Support, up to 1080P@30 FPS RGB LCD Connector (40P FPC, 0.5mm Pitch) MIPI LCD Connector (30P FPC, 0.5mm Pitch)
Wireless	RTL8723ds for 2.4G Wi-Fi & Bluetooth
USB	USB type-A Socket (For USB-Host of D1) USB type-C Socket (Connected to BL702 for USB-JATG/UART)
Audio	DAC & PA with speaker connector (Up to 4Ω3W) Two MEMS Microphones
Storage	128Mbit SPI FLASH(MX25L12835FZNI-10G)
Ext. Connector	6P FPC, 0.5mm Pitch (For Capacitive Touch Panel)
GPIO	Fanout GPIO via 2x20P 2.54mm Pitch Headers.
LED	One WS2182 RGB LED One LED for Power Indication Two LEDs for BL702 Status Indication
Button	One Reset Button One GPADC Button One Boot Button (For BL702 reburn firmware)

Working Conditions	
Power Supply	Via USB Type-C: DC 5V±10% @0.5A
Temperature Rise	<30K
Temperature Range	-10°C ~ 65°C

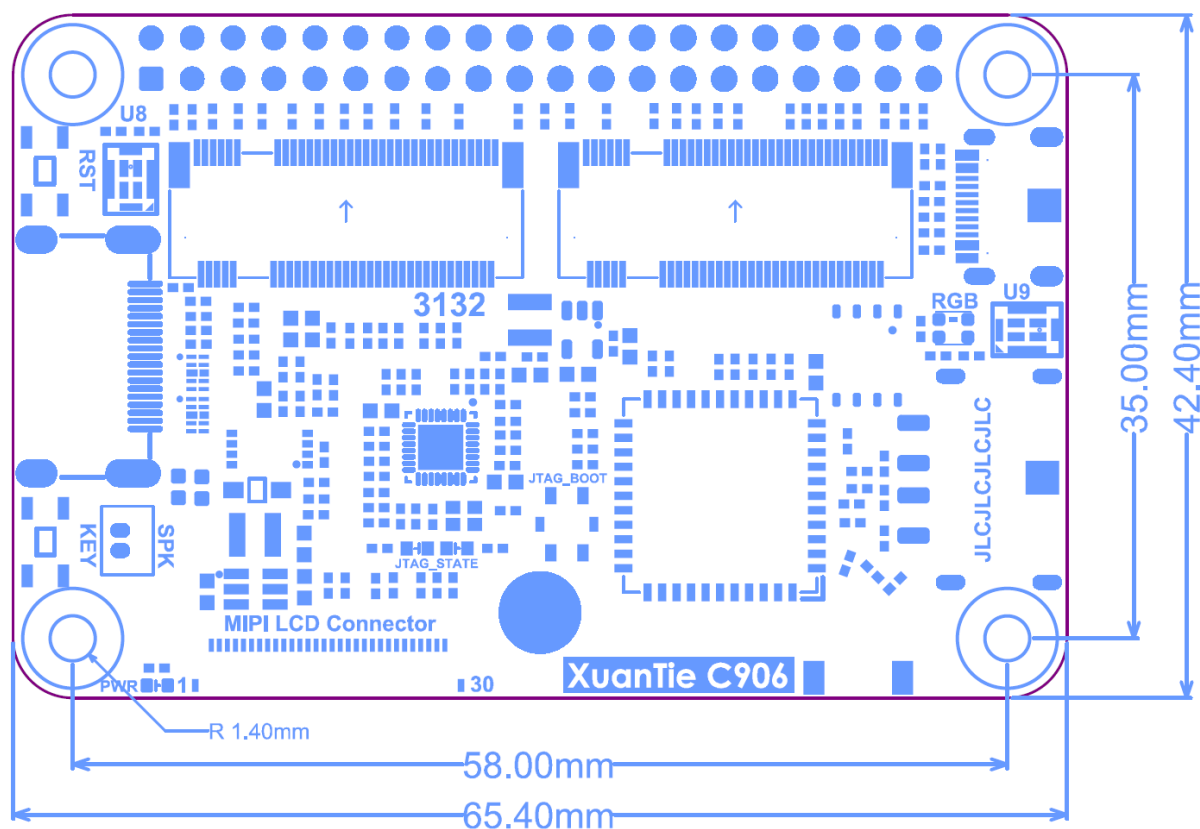
### Function Block



## Pinout



Dimensions	
Length	65.4mm
Width	42.4mm
Thickness	Please refer to the 3D CAD drawing



Precautions	
ESD Protection	Please pay attention to avoid ESD to the PCBA, release the static electricity of your body before touching the PCBA
Tolerant Voltage	Please do not connect a voltage exceed the tolerant voltage to any GPIO, otherwise it will cause permanent damage to the PCBA
FPC Connector	When connecting the FPC cable, please make sure that the cable is correctly inserted into the connector without ANY OFFSET
Teardown	Please cut off the power supply totally before teardown
Beware of Short Circuits	When the PCBA is working, please avoid any liquid and metal contact the components or pads on the PCBA, otherwise it may cause a short circuit and damage the PCBA

Resources	
Official Website	<a href="http://www.sipeed.com">www.sipeed.com</a>
Github	<a href="https://github.com/Sipeed">github.com/Sipeed</a>
BBS	<a href="http://bbs.sipeed.com">bbs.sipeed.com</a>
Wiki	<a href="http://wiki.sipeed.com">wiki.sipeed.com</a>
Sipeed Model Platform	<a href="http://maixhub.com">maixhub.com</a>
SDK /HDK	<a href="http://dl.sipeed.com">dl.sipeed.com</a>
E-mail (For business)	<a href="mailto:support@sipeed.com">support@sipeed.com</a>



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