

# SYSGRATION AIX-600 Qualcomm Edge AI Box User Manual

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SYSGRATION AIX-600 Qualcomm Edge AI Box



## **Specifications**

• Product: Edge Al Box

• Edition: 1

• Last Update: 29 September 2024

Copyright Notice

• FCC Class A

## **Product Usage Instructions**

## **Packing List**

Before installing the AIX-600 Edge AI Box, ensure the following materials are included:

- AIX-600 unit
- Accessories for AIX-600

## **Technical Support and Assistance**

## For technical support or assistance:

- Visit the Sysgration website at <a href="https://www.sysgration.com">www.sysgration.com</a> for the latest product information.
- Contact your distributor, sales representative, or Sysgration's customer service center with the following information ready:
  - Product name and serial number

- Description of peripheral attachments
- Description of software (operating system, version, application software, etc.)
- Complete description of the problem
- Exact wording of any error messages
- Contact Information: Sysgration Co., Ltd., 6Fl., No.1, Sec. 1, Tiding Blvd., Neihu Dist., Taipei City, 11494,
   Taiwan, R.O.C. TEL:+886-2-2790-0088

#### **Safety Instructions**

- 1. Read all safety instructions carefully.
- 2. Keep this user manual for future reference.

#### **Copyright Notice**

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### **Declaration of Conformity**

FCC Class A

#### Note

This equipment has been tested and found to comply with the limits for a Class A digital device of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in such cases users will be required to correct the interference at their own expense.

#### Warning

Any modifications to this device that are not approved by the relevant standards authority may void the authority granted to the user by the FCC to operate this equipment.

### **Packing List**

Before installing the AIX-600 Edge AI Box, check that the following materials have been included in the shipment:

- AIX-600 unit
- Accessories for AIX-600
  - Antenna x 2
  - Power Adapter x 1

If any of these items are missing or damaged, contact your distributor or sales representative immediately.

#### **Technical Support and Assistance**

Visit the Sysgration website at <a href="http://www.sysgration.com">http://www.sysgration.com</a> to obtain the latest product information.

For technical support or additional assistance, contact your distributor, sales representative, or Sysgration's customer service center. Please have the following information ready before calling:

- · Product name and serial number
- · Description of your peripheral attachments
- Description of your software (operating system, version, application software, etc.)
- A complete description of the problem
- The exact wording of any error messages

#### **Contact information**

Sysgration Co., Ltd.

6Fl., No.1, Sec. 1, Tiding Blvd., Neihu Dist., Taipei City, 11494, Taiwan, R.O.C.

TEL: +886-2-2790-0088

## **Safety Instructions**

- 1. Read these safety instructions carefully.
- 2. Retain this user manual for future reference.
- 3. Disconnect the equipment from all AC outlets before cleaning. Use only a damp cloth for cleaning; do not use liquid or spray detergents.
- 4. For pluggable equipment, ensure the power outlet socket is located near the equipment and easily accessible.
- 5. Protect the equipment from humidity.
- 6. Place the equipment on a stable surface during installation. Dropping or allowing the equipment to fall may cause damage.
- 7. The openings of the enclosure are for air convection. Protect the equipment from overheating by not covering the openings.
- 8. Verify that the voltage is correct before connecting the equipment to a power outlet.
- 9. Position the power cord away from high-traffic areas and avoid placing anything over it.
- 10. Note all cautions and warnings on the equipment.
- 11. If the equipment will not be used for an extended period, disconnect it from the power source to prevent damage from transient overvoltage.
- 12. Never pour liquid into any opening, as this may cause fire or electrical shock.
- 13. Never open the equipment. For safety reasons, the equipment should only be opened by qualified service personnel.
- 14. Have the equipment checked by authorized service personnel if any of the following occur:
  - The power cord or plug is damaged.
  - Liquid has penetrated the equipment.
  - The equipment has been exposed to moisture.
  - The equipment is malfunctioning or does not operate according to the user manual.
  - The equipment has been dropped or damaged.
  - The equipment shows obvious signs of breakage.
- 15. Do not store the equipment in environments where temperatures fluctuate below -40°C(-40°F) or above 80°C(176°F), as this may cause damage. Store the equipment in a controlled environment.

#### Warning

Because of the risk of electric shock, do not remove the equipment cover during operation or when connected to a power outlet.

#### Caution!

To avoid short circuits and otherwise damaging the device, do not allow fluids to come in contact with the device. If fluids are accidentally spilled on the equipment, remove the affected unit from service as soon as possible and contact service personnel to verify that personal safety is not compromised.

#### **General Information**

#### Introduction

The AIX-600 is an intelligent edge computing terminal developed based on Qualcomm's QCS6490 platform, using an octa-core high-performance processor (1+3+4 architecture) with a large core frequency of up to 2.7 GHz. It integrates a high-performance graphics engine and an AI engine with a comprehensive computing power of about 12 TOPS, and supports 5G NR sub-6G, Wi-Fi 6e (2.4 GHz/5 GHz/6 GHz), BT5.2/BLE, GNSS (Optional, 5G version), and other wireless communication technologies (the 5G version and the Wi-Fi version are slightly different). The AIX-600 edge computing terminal has a rich set of industrial interfaces, including USB 3.0, USB 2.0, USB-C, HDMI, Audio, Ethernet RJ45, and buttons, making it suitable for use in industrial control, smart manufacturing, security monitoring, intelligent robots, digital multimedia, and other fields.

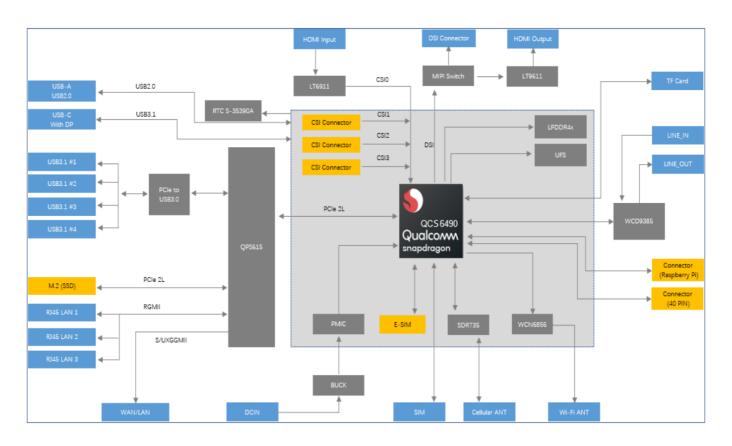
The AIX-600 is based on the QCS6490 SoC and supports multiple operating systems, including Android, Linux, Ubuntu, and Windows IoT. For details on operating system support, please consult the local official sales channel.

## **Specifications**

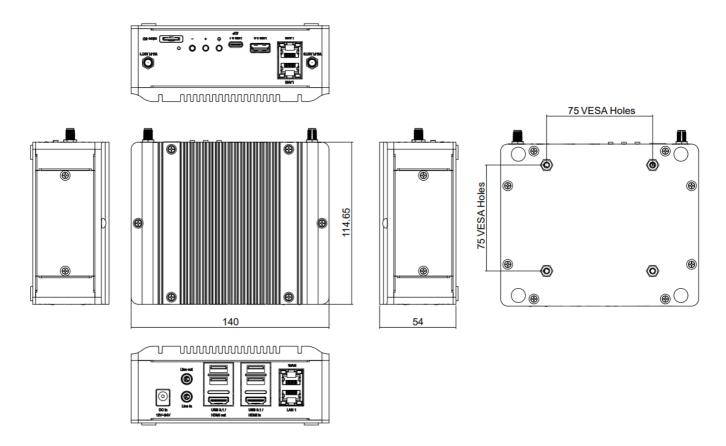
Function	Description	
	Qualcomm QCS6490 Kryo™ CPU 6xx , Octa-core, 1 x A78 @ 2.7GHz	
	3 x A78 @ 2.4GHz	
CPU Processor	4 x A55 @1.9 GHz	
GPU	Adreno 642	
Operating system	Ubuntu/ Android/ Linux/ Windows IOT*	
SIM Card	4FF(Reserved, 5G Version)	
	Line in, 3.5mm	
Audio	Line out, 3.5mm	
SD Card	Support (up to 2TB capacity)	
External SSD	M.2 M-Key Port, Support WiFi Version	
	M.2 B-Key Port, Support 5G Version. The M-Key and B-Key	
5G	can't exist at the same time currently.	
RTC	Support RTC, recommend 120mAh@3V, CR1632X	

MIPI-DSI interface	Onboard connector, compatible with Raspberry Pi DSI 4  Iane interface, support TP (verified Raspberry Pi 7 inch)	
40 PIN GPIO	Onboard connector, compatible Raspberry Pi interface,	
interface 1	typical 3.3V voltage, refer to below table 2.2.2	
40 PIN GPIO		
interface 2	Refer to below table 2.2.3	
	RAM: LPDDR4x/5, 8GB	
Storage	ROM: UFS, 128GB	
	DC12V, wide voltage input, recommend PSU typical	
Power supply	12V@5A	
	Wi-Fi: 802.11ax, 2.4G/5G /6G DBS, 2*2 MIMO	
Wireless connection	BT: Android 5.3, Linux 5.2, Ubuntu 5.2	
Terminal dimension	140 x 115 x 54 mm	
Work Temperature	-20 °C ~ 60 °C	

# **System Block Diagram**



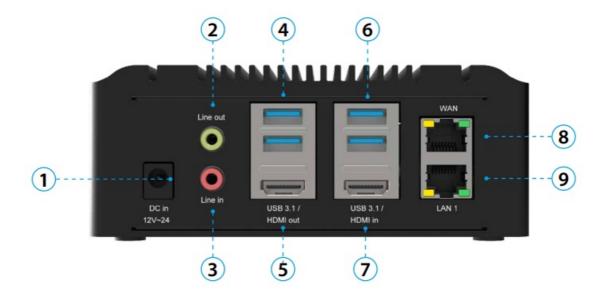
## **Dimension**

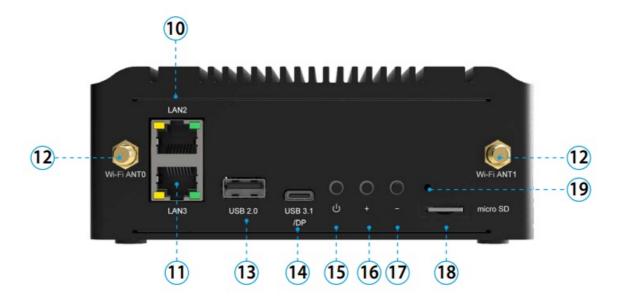


## **Interface Introduction**

We provide the AIX-600 tailored to specific application scenarios and testing requirements. The board includes several reserved interfaces, such as MIPI DSI, MIPI CSI, GPIO, fan, and debugging interfaces.

### **Terminal External Interface**



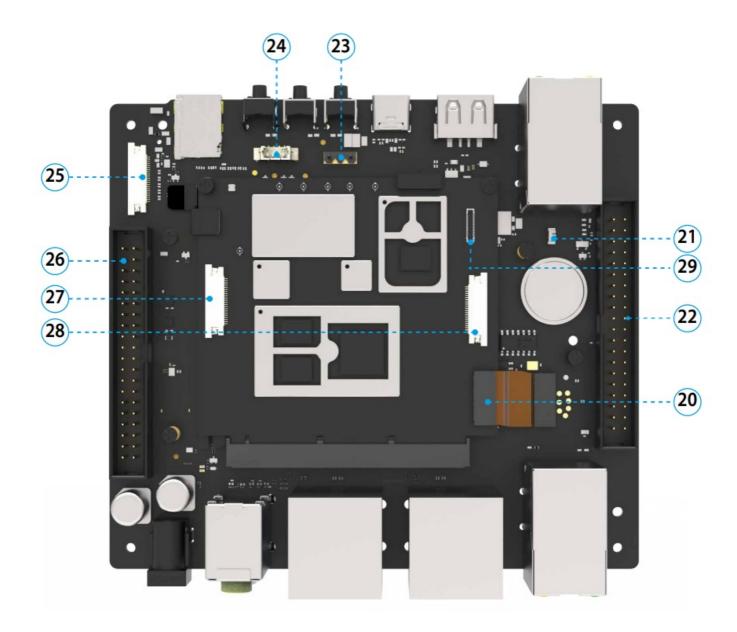


## **External Interface**

Interface No	Signal Definition	Function Description
1	DC_IN	Equipment power input, voltage range: DC12V, typical value 12 V@5A
2	LINE OUT	Audio Output
3	LINE IN	Audio Input
4	USB3.0	USB 3.0 interface, 5V/0.9A
5	HDMI_OUT	HDMI 1.4 signal output, resolution/frame rate: 1080p/60fps*
6	USB3.0	USB 3.0 interface, 5V/0.9A
7	HDMI_IN	HDMI 1.4 signal input, resolution/frame rate: 720p/30fps
8	WAN	RJ45 Ethernet port(User can configure as LAN)
9	LAN	RJ45 Ethernet port
10	LAN	RJ45 Ethernet port
11	LAN	RJ45 Ethernet port
12	WIFI/BT RF	2 Wi-Fi/BT antenna interfaces
13	USB2.0	USB2.0 Interface
		USB 3.1, 5V/0.9A, support DP
14	USB Type-C	(max resolution: 3840*2160 at 60Hz)
15	POWER	Power button; The device is powered on automatically when plu g-in the DC power.
16	Volume +	Volume up key
17	Volume –	Volume down key
18	Micro SD	Micro SD card slot
19	Power LED	On/Off indicator

DSI and HDMI-out are mutually exclusive, with HDMI-out having higher priority. To use the 7-inch LCD screen, remove HDMI-out before powering on.

# **Inside Onboard Interface**



Inside onboard interface

Interface No	Signal Definition	Function Description
20	B2B Connector	B2B connector 50PIN internal GPIO port connection.
21	RTC connector	Real-time-clock for system, recommend 120mAh@3.0V
22	Qualcomm 40PIN	Qualcomm 40PIN universal interface (including UART, CAN, I 2S and other interfaces). See Table 2.2.3 below for details.
23	Force boot	Forced download port (used in emergencies).
24	Fan	Fan interface, see table 2.2.5 below for details.
25	LCD connector	Connect display screen. See Table 2.2.4 below for details.
26	Raspberry 40PIN	Raspberry Pi display 40PIN functional interface (including GPI O, UART and other interfaces). See Table 2.2.2 below for deta ils.
27	Raspberry Camera Conne ctor 22PIN	Raspberry Pi Camera connector, connect to Camera, see Tab le 2.2.4 below for details.
28	Raspberry Camera Conne ctor 22PIN	Raspberry Pi Camera connector, connect to Camera, see Tab le 2.2.4 below for details.
29	Camera connector	30pin C-PHY interface, see below table 2.2.6

# Raspberry PI 40PIN interface signals

PIN	Signal Definition	Function Description  (All GPIO signals of the interfaces are 3 .3V)	
1	3V3	3.3V Power	
2	5V	5 V Power	
3	GPIO00	Can be configured as I2C needs to be combined with GPIO1 or ordinary GPIO	
4	5V	5 V Power	
5	GPIO01	Can be configured as I2C needs to be combined with GPIO00 or ordinary GPIO	
6	GND	Ground	
7	GPIO76	Normal GPIO or PWM (GCC_GP1_CLK_MIRB)	
8	UART_TX	Can be configured as QUP0_SE3 UART or ordinary GPIO14	

9	GND	Ground	
10	UART_RX	Can be configured as QUP0_SE3 UART or ordinary GPIO 15	
11	GPIO129	Ordinary GPIO	
12	12S0_SCK	I2S0 Interface It can also be configured as a normal GPIO	
13	GPIO62	Can be configured as QUP1_SE7 UART or Normal GPIO	
14	GND	Ground	
15	GPIO63	Ordinary GPIO	
16	GPIO35	Ordinary GPIO	
17	3V3	3.3V Power	
18	GPIO41	Can be configured as SPI or UART+GPIO (when full-featured UART is no t required) or I2C+GPIO or GPIO	
19	QUP1_SE4_SPI_ MOSI	QUP1_SE4, can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO	
20	GND	Ground	
21	QUP1_SE4_SPI_ MISO	QUP1_SE4, can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO	
22	GPIO54	Ordinary GPIO. If DSI TP is not used, it can be configured as UART ( needs to be combined with GPIO55);      QUP1_SE4_SPI CS2	
23	QUP1_SE4_SPI_ SCLK	QUP1_SE4, can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO	
24	QUP1_SE4_SPI_ CS0	QUP1_SE4, can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO	
25	GND	Ground	
26	GPIO55	Ordinary GPIO, if DSI TP is not used, it can be configured as UART ( needs to be combined with GPIO54)      QUP1_SE4_SPI CS1	
27	ID_SD	QUP0_SE2_I2C is reserved and can be configured as ordinary GPIO	
28	ID_SC	QUP0_SE2_I2C is reserved and can be configured as ordinary GPIO	

29	GPIO34	Common GPIO	
30	GND	Ground	
31	GPIO42	Ordinary GPIO	
32	GPIO77	Ordinary GPIO, GCC_GP2_CLK_MIRB	
33	GPIO78	Ordinary GPIO, GCC_GP3_CLK_MIRB	
34	GND	Ground	
35	I2S0_WS	I2S0 Interface, Can be configured as ordinary GPIO	
36	GPIO43	Ordinary GPIO	
37	GPIO40	Ordinary GPIO	
38	I2S0_DATA0	I2S0 Interface, Can be configured as ordinary GPIO	
39	GND	Ground	
40	I2S0_DATA1	I2S0 Interface, Can be configured as ordinary GPIO	

## **Qualcomm 40PIN Interface**

PIN	Signal Definition	Function Description  (All GPIO signals of the interfaces are 3 .3V)	
1	GPIO36	QUP1_SE1 can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO. GPIO36/GPIO37 is compatible with RTC INT1/INT2 currently. When the RTC function is not needed, adjust R1821-R1822/ R1823-R1834 to restore the full-featured QUP	
2	1V8	The 1.8V power supply is used for external power supply. It is only recommended to be used as a pull-up power supply for the IO port.	
3	GPIO37	QUP1_SE1 can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO. GPIO36/GPIO37 is compatible with RTC INT1/INT2 currently. When the RTC function is not needed, adjust R1821-R1822/ R1823-R1834 to restore the full-featured QUP	
4	GND	Ground	
5	GPIO38	QUP1_SE1 can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO. GPIO36/GPIO37 is compatible with RTC INT1/INT2 currently. When the RTC function is not needed, adjust R1821-R1822/ R1823-R1834 to restore the full-featured QUP	
6	LPI_I2S1_CLK	LPI I2S AUDIO INTERFACE 1, Can also be configured as DMIC1 Interfac e	

7	GPIO39	QUP1_SE1 can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO. GPIO36/GPIO37 is compatible with RTC INT1/INT2 currently. When the RTC function is not needed, adjust R1821-R1822/ R1823-R1834 to restore the full-featured QUP	
8	LPI_I2S1_WS	LPI I2S AUDIO INTERFACE 1, Can also be configured as DMIC1 Interfac e	
9	GND	Ground	
10	LPI_I2S1_DATA0	LPI I2S AUDIO INTERFACE 1, Can also be configured as DMIC2 Interfac e	
11	GPIO56	QUP1_SE6, can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO	
12	LPI_I2S1_DATA1	LPI I2S AUDIO INTERFACE 1, can also be configured as DMIC2 Interfac e	
13	GPIO57	QUP1_SE6, can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO	
14	GND	Ground	
15	GPIO58	QUP1_SE6, can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO	
16	VREG_L8C	L8C sensor 1V8 Power, MAX 15mA	
17	GPIO59	QUP1_SE6, can be configured as SPI or UART+GPIO (when full-featured UART is not required) or I2C+GPIO or GPIO	
18	LPI_I2C2_SCL	LPI_I2C2 for Sensor	
19	LPI_I2C0_SCL	LPI_I2C0 for Sensor	
20	LPI_I2C2_SDA	LPI_I2C2 for Sensor	
21	LPI_I2C0_SDA	LPI_I2C0 for Sensor	
22	LPI_I2C1_SCL	LPI_I2C1 for sensor	
23	PM7250B_ GPIO11	PMU7250B GPIO LV is reserved for controlling the power supply of QCA8 337, and the external output can be disconnected through the R1820 resi stor.	
24	LPI_I2C1_SDA	LPI_I2C1 for sensor	
25	PM7250B_ GPIO12	PMU7250B GPIO LV	
26	LPI_GPIO155	LPI_GPIO155 can be configured as LPI_I2S2	

DEBUG_UART_TX	Can be configured as an ordinary GPIO, used as a debug serial port by d efault, or as an ordinary serial port.	
VOUT_5V	5V power supply is output externally, and the current should not exceed 5 00mm.	
DEBUG_UART_ RX	Can be configured as an ordinary GPIO, used as a debug serial port by d efault, or as an ordinary serial port.	
LPI_GPIO154	LPI_GPIO154 can be configured as LPI_I2S2	
LPI_DMIC3_CLK	DMIC3 INTERFACE	
PM7325_ADC_ AMUX1_GPIO02	ADC IN_PUT channel 1	
LPI_DMIC3_DATA	DMIC3 INTERFACE can be configured as LPI_I2S2	
GND	Ground	
GND	Ground	
PM7325_ADC_ AMUX1_GPIO02	ADC IN_PUT channel 2	
CAN_L	CAN bus interface	
GND	Ground	
CAN_H	CAN bus interface	
PWM_OUT	PWM output, reserved for fans currently	
	VOUT_5V  DEBUG_UART_ RX  LPI_GPIO154  LPI_DMIC3_CLK  PM7325_ADC_ AMUX1_GPIO02  LPI_DMIC3_DATA  GND  GND  PM7325_ADC_ AMUX1_GPIO02  CAN_L  GND  CAN_L  GND  CAN_H	

# CSI interface (Raspberry D-PHY)

		Function Description	
PIN	Signal Definition	(All GPIO signals of the interfaces are 3 .3V)	
1	GND	Ground	
2	CAM1_D0_N	MIPI DATA LANO N	
3	CAM1_D0_P	MIPI DATA LANO P	
4	GND	Ground	
5	CAM1_D1_N	MIPI DATA LAN1 N	
6	CAM1_D1_P	MIPI DATA LAN1 P	
7	GND	Ground	
8	CAM1_CLK_N	MIPI CLK N	
9	CAM1_CLK_P	MIPI CLK P	
10	GND	Ground	
11	CAM1_D2_N	MIPI DATA LAN2 N	
12	CAM1_D2_P	MIPI DATA LAN2 P	
13	GND	Ground	
14	CAM1_D3_N	MIPI DATA LAN3 N	
15	CAM1_D3_P	MIPI DATA LAN3 P	
16	GND	Ground	
17	CAM_GPIO	Camera Power On	
18	CAM_LED EN	LED EN	
19	GND	Ground	
20	SCL0	Camera I2C SCL0	
21	SDA0	Camera I2C SDA0	
22	+3.3V	Power 3.3V	

## Fan Interface

PIN	Signal Definition	Function Description
1	5V	Power 5V
2	PWM INPUT	PWM signal
3	/	1
4	GND	Ground

## **C-PHY** interface

PIN	Signal Definition	PIN	
1	DGND	16	AFVDD-2V8
2	CS1_C2	17	CCI_SCL
3	CS1_B2	18	CCI_SDA
4	CS1_A2	19	CAM_RST
5	DGND	20	PWDN
6	CS1_C1	21	AGND
7	CS1_B1	22	DVDD_1V1
8	CS1_A1	23	VSYNC
9	DGND	24	AGND
10	CS1_C0	25	AVDD-2V9
11	CS1_B0	26	DOVDD_1V8
12	CS1_A0	27	DGND
13	DGND	28	DVDD_1V1
14	DGND	29	DVDD_1V1
15	MCLK	30	DGND

# Status Light

LED	Status	Color	Frequency
Power	Power-on	Red	Always on
1 OWEI	Standby	Green	Always on

# **RF** parameters

AIX-600 product supports Wi-Fi only version and 5G+Wi-Fi version. Different versions have different antenna configurations.

# WIFI radio frequency parameters

Parameter	Characteristic	
Antenna type	External SMA antenna, 2	
Impedance	50Ω	
	2.4GHz	
	802.11b/g/n/ax(20M): 2412-2472MHz	
	802.11n/ax(40M): 2422-2462MHz	
	5GHz	
	802.11a/n/ac/ax(20M): 5180-5825MHz	
	802.11n/ac/ax(40M): 5190-5795MHz	
	802.11ac/ax(80M): 5210-5775MHz	
	802.11ax(160M): 5250-5570MHz	
	6GHz	
Frequency Range	802.11ax(20M): 5955-7115MHz	
	802.11ax(40M): 5965-7085MHz	
	802.11ax(80M): 5985-7025MHz	
	802.11ax(160M): 6025-6985MHz	
Modulation Way	BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM	
Frequency Interval	5 MHz	

## **Electrical and Environmental Parameters**

# **Electrical and Environmental parameters**

Parameter	Minimum value	Typical value	Maximum value	Unit
Power input	10.2	12	13.8	V
working temperature	-20	25	60	°C
Storage temperature	-40	25	80	°C
Working environment humidity	20	40	90	%

# **Power Dissipation**

Parameter	Power (W, Max .)	Remark
PSU	60	12V/5A
System Input	18	QCS6490 Module
USB3.0 x 4	18	5V, 900mA
USB2.0 x 1	4.5	5V, 900mA
5G Module*	10	FM160 Module
SSD	5.8	Read
330	5.6	Write

<sup>\* 5</sup>G module/SSD are in either different SKU

#### **Device Firmware**

Device Firmware Flashing Procedure Using Qualcomm QFIL Tool

#### **Connecting and Setting Up Your Interface**

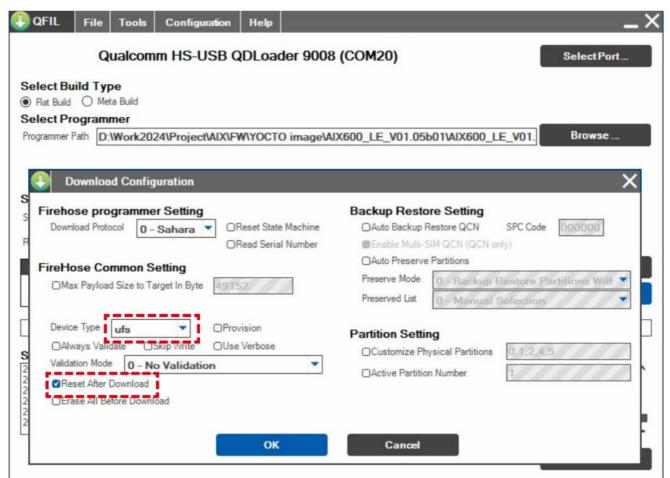
- 1. Plug in the HDMI Cable: Connect an HDMI cable between the monitor and interface 5 (HDMI\_OUT).
- 2. **Power On:** Press the Power On button for 3 seconds until a green LED light flashes. Ensure that you plug in the HDMI cable before powering on the device.
- 3. **Verify Display:** You should see the image on the monitor. Once the HDMI output display is normal, you can unplug and reinsert the HDMI cable, and it should still display correctly.
- 4. **Connect Peripherals:** Connect the mouse and keyboard to ports 4 or 6 (USB 3.0). The following icon "Weston-terminal" should appear on the screen.
- 5. **Access the Command Line Interface:** Click on the Weston-terminal icon in the upper left corner of the screen to open the command line interface.
- 6. Enter Commands: Use the command line interface to enter commands and access the system.
- 7. **Additional Connectivity:** You can also connect port 14 (USB Type-C) to your PC using a USB cable. If your PC has an ADB environment installed, you can enter commands on your PC to access the system.

```
icrosoft Windows [版本 10.0.19045.4412]
c) Microsoft Corporation. 著作權所有,並保留一切權利。
D:\Users\ycchen>adb devices
List of devices attached
FB803WA471500008 dev
                          device
D:\Users\ycchen>adb shell
kalama:/$ ls
                                                                                                           system_dlkm
                                                 linkerconfig odm_dlkm
acct
             config
                              dev
                                                                               sdcard
                                                 lost+found
                                                                 oem
                                                                                second_stage_resources
                                                                                                           system_ext
арех
             data
                                                                 postinstall
                                                                                                           vendor
bin
                                                 metadata
                                                                               storage
bugreports data_mirror
                                                                                                           vendor_dlkm
                              init
                                                                 proc
                                                                                SYS
             debug_ramdisk
                              init.environ.rc odm
                                                                 product
                                                                                system
kalama:/$
```

#### Note

Download the QFIL Tool to assist in flashing or installing firmware on devices powered by Qualcomm chipsets. The tool can be downloaded here: <a href="https://qfiltool.com/#google\_vignette">https://qfiltool.com/#google\_vignette</a>

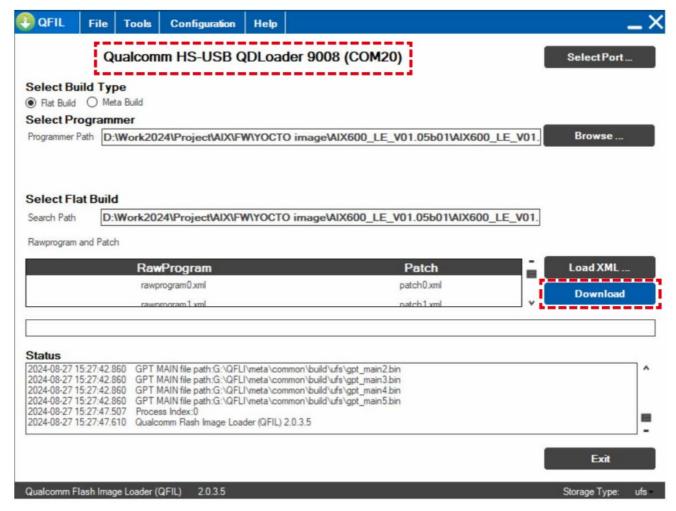
- 1. Power On and Connect: Power on the device and connect it to the computer using the USB Type-C port.
- 2. Open Qualcomm QFIL Tool: Launch the Qualcomm QFIL tool, go to the download configuration interface, and select the appropriate configuration settings.



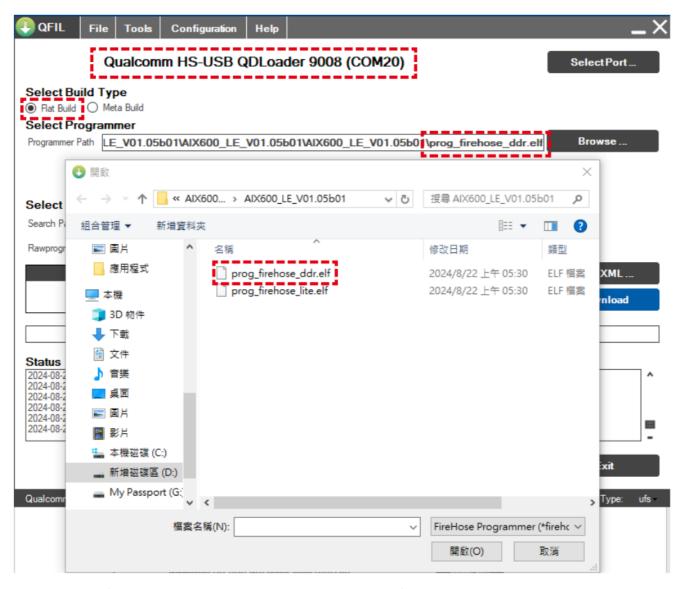
3. Execute ADB Commands: Enter the following ADB commands:

Copy code adb root adb reboot edl

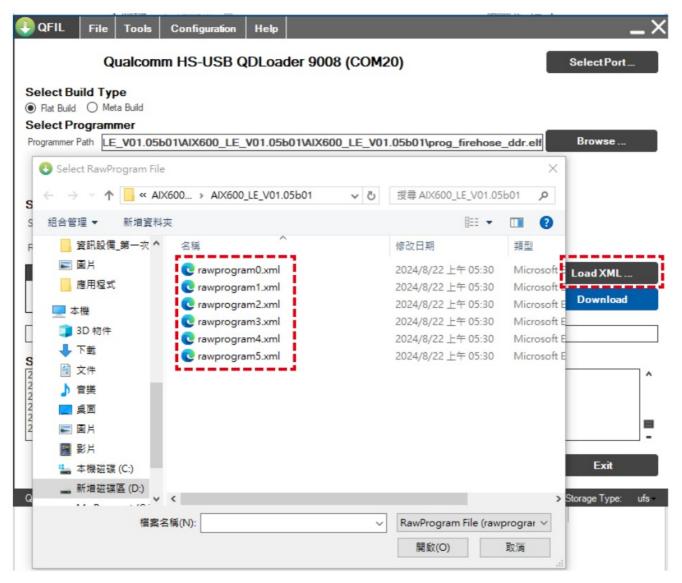
After running these commands, the QDLoader download port should appear, as shown in the image below.



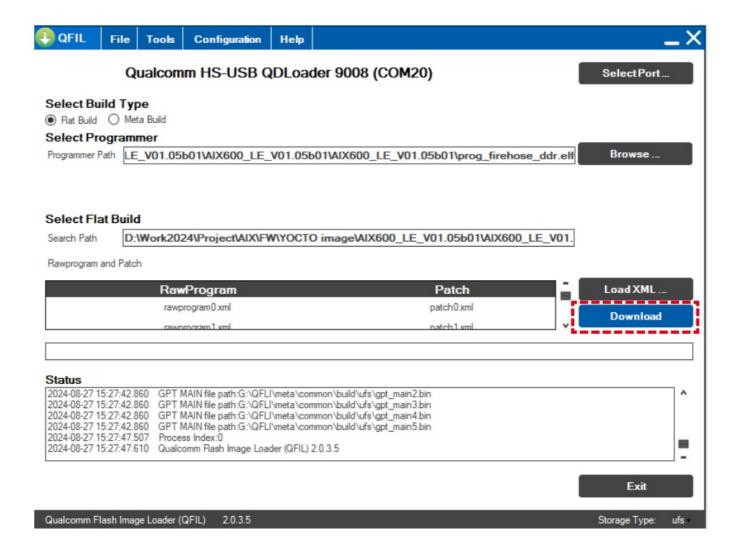
4. Select Flat Build Option: Choose the "Flat Build" option and then select the prog\_firehostedr.elf file from the version directory.



5. Load XML File: Click the "Load XML" button to load the XML file. Select "All" twice, as depicted in the image below.



6. Start Download: Click the "Download" button to begin the flashing process. Once you receive a success message, you can exit the tool.



Make sure to follow the steps in the order provided for successful firmware flashing.

#### **Contact information**

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#### **FAQ**

#### Q: Can I open the device for maintenance?

A: No, for safety reasons, the equipment should only be opened by qualified service personnel.

#### Q: What should I do if liquids come in contact with the device?

**A:** If fluids are accidentally spilled on the equipment, remove the affected unit from service immediately and contact service personnel to ensure personal safety is not compromised.

#### **Documents / Resources**



SYSGRATION AIX-600 Qualcomm Edge Al Box [pdf] User Manual AIX-600, AIX-600 Qualcomm Edge Al Box, Qualcomm Edge Al Box, Edge Al Box, Al Box

### References

- QFIL Tool Qualcomm Flash Image Loader (QFIL) Tool
- User Manual

#### Manuals+, Privacy Policy

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