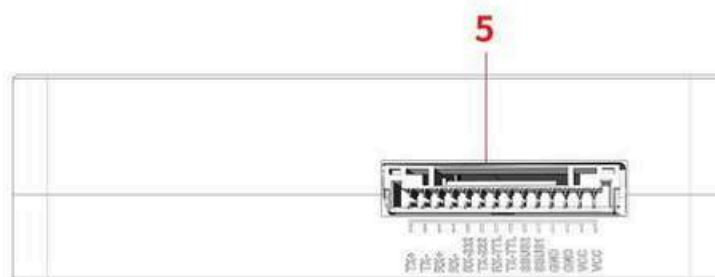


ANDROMÈDE : INTERFACE DESCRIPTION

Air Unit



Top View



Frone View

1. Power Indicator

Status	Description
Light on	Power on
Light off	The system is not up

2. Wireless Link Status Indicator

Status	Description
Light on	WirelessLinkup
Light off	WirelessLinkdown

3. Wireless Rssi Indicator

Status	Description
3 Lights on	Rssi Level High

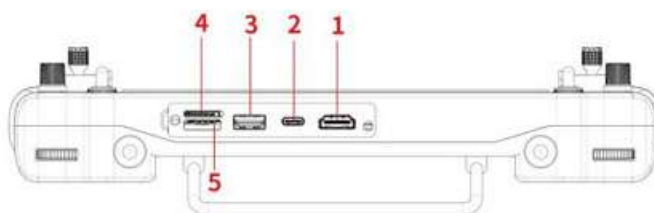
2 Lights on	Rssi Level Mid Rssi
1 Lights on	Level Low Wireless
0 Lights on	Link down

4. SMA antenna connector

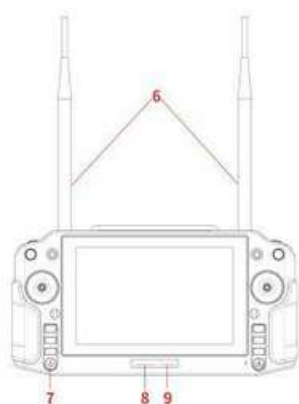
5. Ethernet/UART/SBUS/Power Port

Number	Character	Description	Input/Output
1	TX+	EthernetTx+	O
2	TX-	EthernetTx-	O
3	RX+	EthernetRx+	I
4	RX-	EthernetRx-	I
5	RX-232	Uart1RXD (Fromdevicetoexternal)	I
6	TX-232	Uart1TXD (Fromexternaltodevice)	O
7	RX-TTL	Uart2RXD (Fromdevicetoexternal)	I
8	TX-TTL	Uart2TXD (Fromexternaltodevice)	O
9	SBUS2	SBUS2_OUT	O
10	SBUS1	SBUS1_OUT	O
11	GND	GND	O
12	GND	GND	O
13	VCC	+VccDCInput (12V)	I
14	VCC	+VccDCInput (12V)	I

Handheld Integrated Ground Station



Top View



Front View

1. HDMI (Type A)

FHD video output port

2. Type C USB

For battery charge

3. USB Port

4. SD Card Port

5. Sim Card Port

6. SMA Antenna

7. Power Key

Long press for power on or power off

8. Battery remaining charge indication

Status	Description
4Lights on	The Battery is full
3Lights on	The Battery has 80% left The
2Lights on	Battery has 50% left The
1Lights on	Battery has 20% left The
1Lights Blink	Battery is less than 5%

9. Wireless Rssi Indicator

Status	Description
3 Lights on	Rssi Level High Rssi
2 Lights on	Level Mid Rssi Level
1 Lights on	Low Wireless
0 Lights on	Link down

Default IP address

Air Station:

192.168.1.200

Handheld Integrated Ground Station

Wireless module:192.168.1.236

Android system: 192.168.1.168

Specification

Air Unit			
Category	Item	Detail	
Wireless performance	Frequency band	800MHz/1.4GHz/2.4GHz	
	Frequency range	800MHz: 806MHz~825MHz 1.4GHz: 1427MHz~1447MHz 2.4GHz: 2400MHz~2480MHz	
	Band Width	5MHz/10MHz/20MHz	
	Modulation	OFDM	
	EIRP	26dBm±1dB	
	Sensitivity	≤-95dBm	
	Range	15km*1	
	Bit Rate	30Mbps@20MHz	
	encryption	AES 128	
Range Power	DC9~28V		
Consumption	≤6.5W		
Interface	Antenna	SMA *2	
	Power	4Pin	
	UART	1 start bit, 8 data bit, 1 stop bit, no parity., Baud rate 115200 (default), 57600, 38400, 19200, 9600	
		UART1 is RS232 and UART2 is TTL	
	SBUS	SBUS1_OUT	
		SBUS2_OUT	
Ethernet	4Pin		

Antenna	Interface	SMA Glue stick antenna 20cm
	Polarization type	Vertical
	Gain	Air : 2.5dBi
	SWR	≤2.0
Environment	Work temperature	-40°C~+60°C
	Storage temperature	-40°C~+85°C
	Humidity	5~95%, non-condensing
Appearance	Size	80 X 60 X 18 mm
	Weight	100 g

ANDROMÈDE



System	Android 9
CPU	Qualcomm- 8 Nucleus
SSD Storage& RAM	4G&32GB
Network	Supports4G (2.4G/5.8Gwifi,Bluetooth4.0)
Screen	7-Inch Touch,1920*1200 Resolution

External Interface	1*USB2.0/1*HDMI/1*TF/1*SIM/1*Type-C		
Brightness	1500nit	Size	275*140*30.5 mm
Battery	12.6V 5AH	WorkingHours	5-6h
Weight	1.1kg	Temperature	-20~60°C
Control Output	2*S-BUS output, 16channel		
Channels Type	2* Joystick/2*WaveWheel/2*Toggle Switch/2 * Knob/9 * Button		
Frequency Band	800Mhz/1.4Ghz/2.4Ghz (Frequency Hopping)		
Transmission Distance	10-15km		

Transmission Power	25dbm
Air Interface	2*S-BUS/1*RS232/1*TTL/1*RJ45/1*XT30