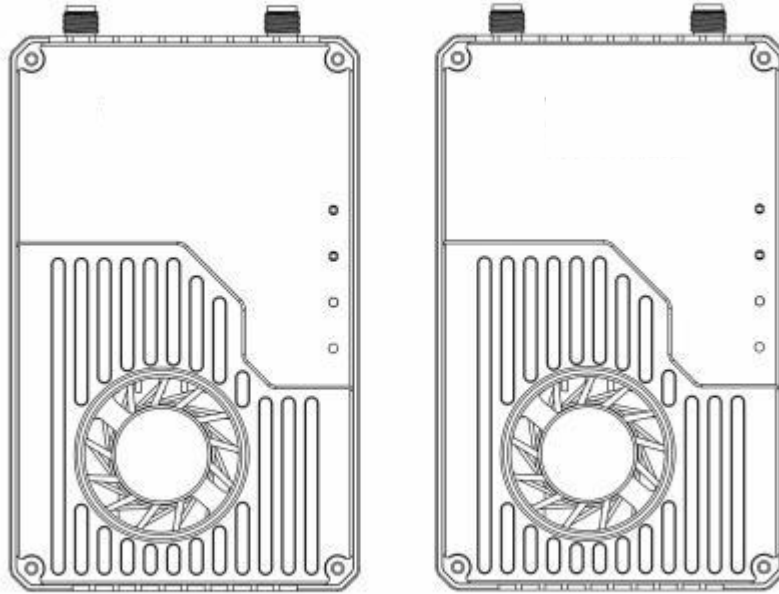
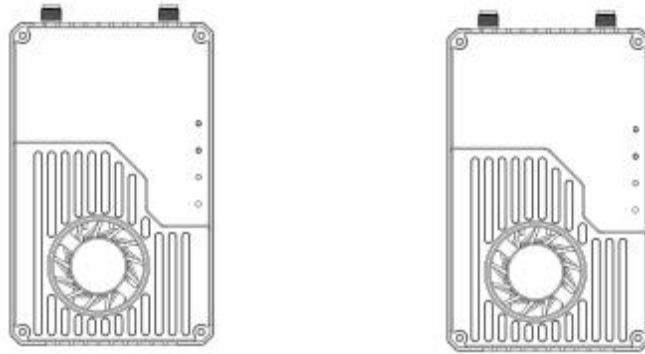


# M1 specification



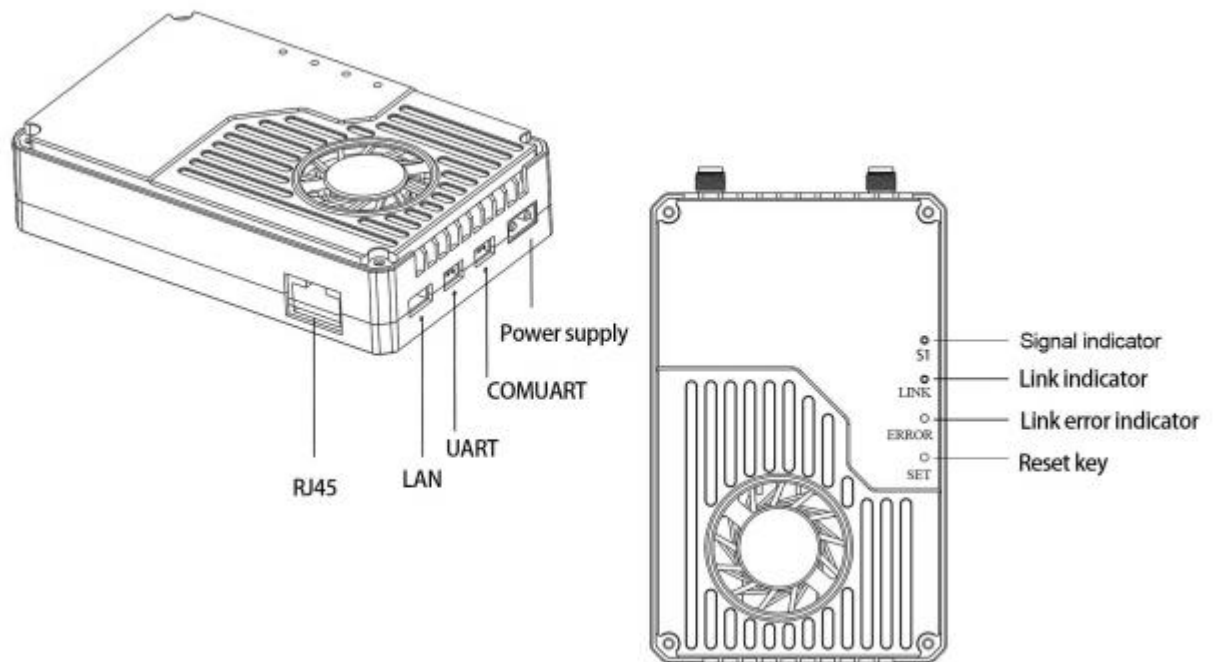
Based on LTE wireless communication standard, M1 digital mapper adopts wireless digital data link with OFDM and MIMO technology, it has 10/100 Ethernet and serial gateway function, and when CA mode is turned on, the code stream can reach 100Mbps; it provides reliable wireless Ethernet bridge function and gateway service for most of the equipments; it can transmit remote control signals, digital transmission signals and image signals at the same time. Three-in-one data link transmission device, mainly used to solve the problem of close transmission distance of remote control signal and digital signal and low quality of image transmission. It features small size, good integration and high sensitivity. Provides 600MHz, 1.4GHz frequency band options.

## 1. Product Parameters



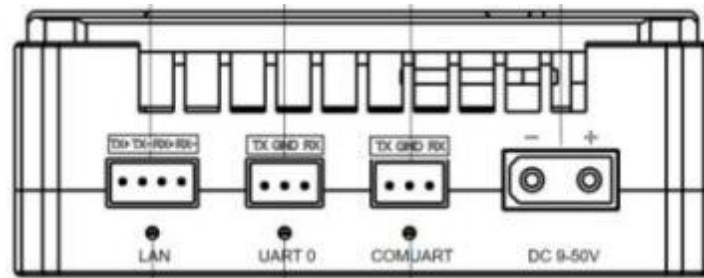
■	
<b>M1</b>	
<b>Weight</b>	150g(exclude antenna)
<b>Dimension</b>	80mm*56mm*20mm
<b>Frequency band</b>	600MHz(566-678Mhz) 1.4GHZ( 1420- 1530Mhz)
<b>Power supply voltage</b>	DC 9-50V
<b>Operation current</b>	300MA      12V power supply
<b>Serial port</b>	1*serial port (default: TTL; RS232 optional)
<b>Signal interface</b>	LAN*1 RJ45*1
<b>Power</b>	-40-23dbm
<b>Use of antennas</b>	2-4dBi
<b>Operation temperature</b>	-20℃ ~ +65℃
<b>Video latency</b>	300ms
<b>Transmission range</b>	15~20km grade@LOS condition
<b>Bandwidth</b>	100Mbps
<b>MIMO mode</b>	2x2 MIMO
<b>Network mode</b>	32 devices maximum
<b>Power supply interface</b>	XT30
<b>IP rating</b>	IP53

## 2. Plant



- 1, SI mapping signal strength indicator: always on, high signal strength; blinking, low signal strength.
- 2, LINK build chain indicator, the access node will light up when the map transmission builds the chain, the centre node is always unlit.
- 3, ERROR abnormality indicator, only when there is an abnormality inside the map transmission, the light will be on.
- 4, SET button: used to reset the map transmission.

### 3. Interface specification

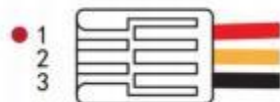


LAN



Pin	Define name	Instructions
1	RX-	/
2	TX-	/
3	RX+	/
4	TX+	/

UART



Pin	Define name	Instructions
1	Π	RX
2	+	G
3	-	TX

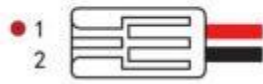
COMUART



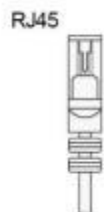
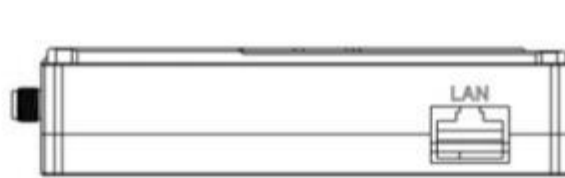
Pin	Define name	Instructions
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1	Π	RX
2	+	G
3	-	TX

Power supply



Pin	Define name	Instructions
1	+	9~50V
2	-	G



Pin	Define name	Instructions
1	TX+	/
2	TX-	/
3	RX+	/
6	RX-	/

## 4. Hole size

