

4-6km TCP/IP/UDP COFDM UAV Video and Data Links

Model: FIP-2405

FIP-2405 mini transceiver is a new designed OFDM wireless communication equipment based on military standard. It supports 2.402-2.478Ghz, transmit HD IP Video and Bi-directional for 4-6km air to ground.

Features

- Double 10/100Mbps Ethernet port support UDP/TCP
- One Serial port support Telemetry/MAVLINK/TT/RS232
- Serial port supports APM, Pixhawk 2.1, Pixhawk V3, Pixhawk 2 & Pixhawk4
- AES encryption video transmission
- Excellent performance in movement condition support max moving speed 400km/h
- Working frequency adjustable by our software 2402-2482Mhz
- Transmit Rate 3Mbps
- Bandwidth 4Mhz

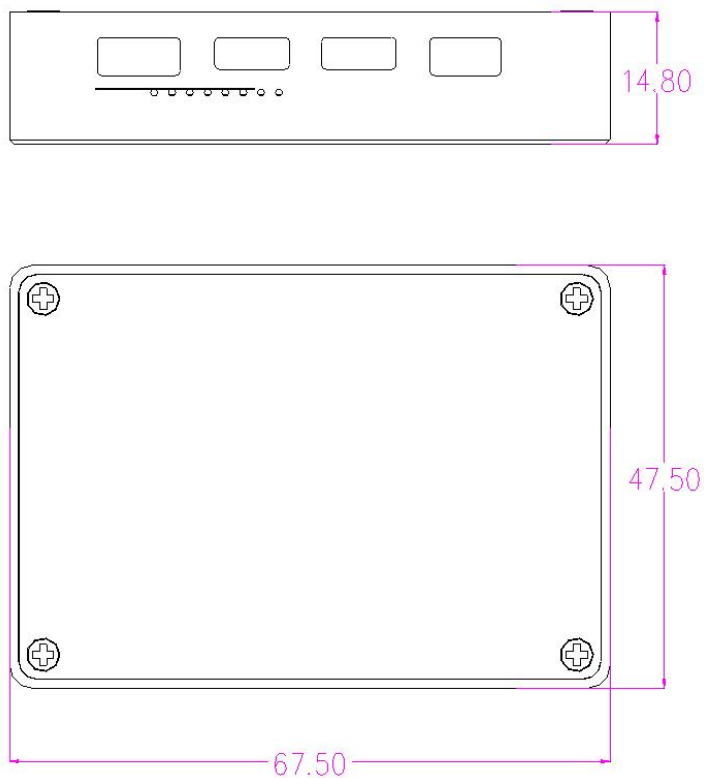


Parameter

Frequency	2.4GHz(2402Mhz-2482MHz)
RF Transmitting Power	27dBm(air to ground 4-6km)
Frequency Bandwidth	4MHz
Antenna	1T1R, omni-directional antenna
Adjustment mode of bit rate	Software adjustment
Communication Channel Encryption	AES 128bit
Transmission Mode	point to point
Error Detection	LDPC FEC
Start-up time	25s
Two-way function	Support video and duplex data simultaneously
Data	Support TTL
Date Rate	3Mbps
Sensitivity	-100dbm@4Mhz
Power	DC 7-18V(DC12V Suggested)
Power Consumption	TX: 4Watts

	RX: 4Watts
Temperature	Operating temperature: -40 - +85°C
	Storage temperature: -55 - +85°C
Interface	Power input interface×1
	Antenna interface×1
	Serial port×1
	Ethernet to RJ45 ×2
Indicator	Power indicator(8)
	Connection Status Indicator(4, 5, 6, 7)
	Signal Strength Indicator(1, 2, 3)
Metal Case Design	CNC Technology
	Double Aluminum Alloy Shell
	Conductive anodizing craft
Size	67.5×47.5x14.8mm
Net Weight	Tx: 68g / Rx: 68g

Dimension(67.5*47.5*14.8mm)



Package List

Item	Qty
Tx	1
Rx	1
Tx Antenna	1
Rx Antenna	1
Antenna Cable	3
Ethernet Cable	4
TTL USB Cable	4
Software	1
Power Cable	3
Package Box	2