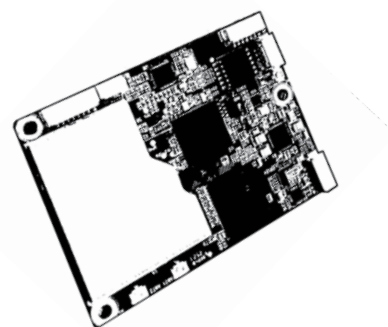
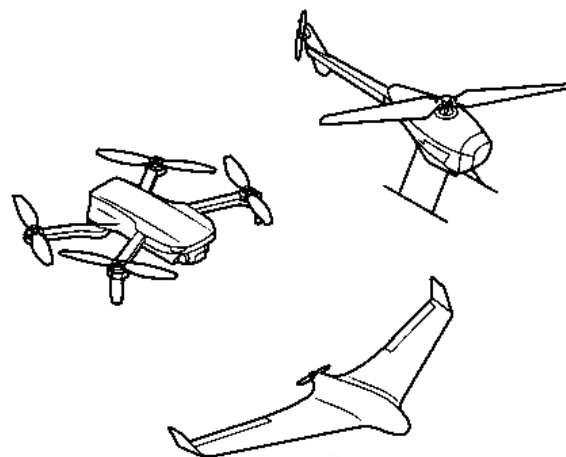


Long Range Wireless Digital Video / Data Transceiver

LR030



The Long range wireless digital video / data transceiver is designed with 4G LTE modem (option). Its user-friendly UI is easier for setting as Master/Slave and power control.

APPLICATIONS

- Industrial and Commercial Applications
- Long Range Camera
- Drone

FEATURE & BENEFITS

- IEEE 802.11 a/b/g/n/ac
- 10Base-T IEEE 802.3 / 100Base-TX IEEE 802.3u Compliant
- Support Bluetooth v5.2 BR/EDR and BLE specification
- Support UART communication interface
- Stream encryption and authentication
- Ultra low latency (Less than 100ms)
- Compact and light weight
- Long range wireless video transmission (Up to 30km)
- MAVLink support
- IP communication support

Hardware

CPU (32-bit Dual core Arm Cortex-A7)
QSPI NAND flash (4Gb)
DDR3L (4Gb)
Hardware accelerator (AES, TDES, HASH, HMAC)

Wireless/Networking

Bluetooth LE
Ethernet (10/100)
Wi-Fi 2.4G and 5G
Support 4G LTE external module

RF Power

2.4GHz Pout : +26 dBm (MCS0 HT20)
5 GHz Pout : +27 dBm (MCS0 HT20)

Interface

LED power & network traffic (TX/RX) indicator
5 pins Wafer for 12V power
4 pins Wafer for Ethernet
6 pins Wafer for UART x 2
7 pins Wafer for 4G LTE external module
3 pins Wafer for Fan
3 I-PEX 1 connectors (2 for WiFi and 1 for BLE)

Power

Power supply voltage : 12V
Power Consumption : < 10W

Dimension (PCBA)

70 * 50 * 8 mm