

2W Output Power Long Range 30km+ Drone IP Video Data Radio Transceiver

Our Product Introduction

for more products please visit us on zkmanet.com

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2441UM
- Minimum Order Quantity: 1
- Price: USD 999~1699
- Packaging Details: Brown Carton
- Delivery Time: 4 working weeks
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year



Product Specification

- Frequency: 800MHz/1.4GHz /2.4GHz
- Bandwidth: 1.4MHz/3MHz/5MHz/10MHz/20MHz
- RF Channel: 1T2R
- Output Power: 2W
- Range: 30km (LOS)
- Network Mode: One-to-one And One-to-many
- Data Rate: 30Mbps
- Encryption: ZUC/SNOW3G/AES Optional
- Highlight: 30-Long Distance Long Range Transceiver, 30-Long Distance Data Radio Transceiver, Data Radio Transceiver



More Images




Product Description

2W Output Power Long Range 30km+ Drone IP Video Data Radio Transceiver

Product Description

The ZKManet2441UM is a lightweight and portable airborne radio system that delivers high-definition, stable image quality.

Our Product

Employing advanced OFDM modulation technology, it effectively captures high-quality images while in rapid motion and transmits them in real-time even in non-line-of-sight (NLOS) scenarios. This device ensures the encryption of both images and data during transmission, with a capability of 30Mbps transmission speed and an air-to-ground range of up to 30KM. It is especially ideal for applications involving prolonged wireless transmission and high data rates, such as those used in drones, unmanned surface vessels, and robotic systems.

Features

- * Range no less than 30 km(LOS)
- * Supports 3 bands (800MHz/1.4GHz/2.4GHz)
- * IP transparent data transmission
- * Compact size and light weight
- * Rugged aluminum alloy housing
- * Low power consumption
- * With TTL and RJ45 port

Specifications

Model	ZKManet2441UM	Brand	ZKMANET
RF Parameters	Frequency	800MHz/1.4GHz /2.4GHz	
	Bandwidth	1.4MHz/3MHz/5MHz/10MHz/20MHz	
	RF Channel	1T2R	
	Output Power	33dBm	
	Range	30km (LOS)	
Network Parameters	Network Mode	One-to-one and one-to-many	
	Data Rate	30Mbps(Max)	
	Encryption	ZUC/SNOW3G/AES Optional	
Physical/ Environment	Dimensions	103.5*61.5*22mm	
	Weight	142g	
	Working Temp	-40°C~+65°C	
Electronic Parameters	Power Supply	DC12V	
	Power Consumption	<12W	
Other	Data Interface	RJ45*2,TTL*3	

Dimensions



Panel Description

- Compact Size Light Weight Long Range 30~Long Distance Drone IP Video Data Transceiver
1. Audio Interface
 2. RA232 Interface*3
 3. RJ45 Interface-1
 4. RJ45 Interface-2
 5. Power Input Interface

1. Link Status Indicator - When the device works as an access node, if the connection with the central node is normal, the indicator will flash. When the device works as a central node, this indicator will be always on.
2. Signal Indicator
3. Power Indicator
4. RF Antenna-2
5. RF Antenna-1

Application

Compact Size Light Weight Long Range 30~Long Distance Drone IP Video Data Transceiver

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech R&D enterprise. Our products mainly use Mesh and LTE as core technologies and auxiliary decision-making software to form underground building emergency communication systems, and police investigation communication systems, and police noncombat training communication systems, urban emergency communication systems, emergency communication vehicle communication systems, etc., suitable for law enforcement forces

and government departments such as public security, armed police, , forest fire prevention, civil air defense, and maritime. Especially the intelligent communication products of special robots have solved the long-distance communication and control problems of robots in complex environments.

We hold several patents with independent intellectual property rights and have developed a robust quality management system that adheres to ISO9001 standards, as well as national standards. Our production processes strictly follow these national guidelines and internationally recognized standards, including CCC, CE, and FCC. Additionally, we have received the Radio Transmission Equipment Model Approval Certificate from the Ministry of Industry and Information Technology of China and have successfully completed wireless product testing certification by the Ministry of Public Security.

[Compact Size Light Weight Long Range 30~Long Distance Drone IP Video Data Transceiver](#)

[Compact Size Light Weight Long Range 30~Long Distance Drone IP Video Data Transceiver](#)

[Compact Size Light Weight Long Range 30~Long Distance Drone IP Video Data Transceiver](#)

FAQ

[Compact Size Light Weight Long Range 30~Long Distance Drone IP Video Data Transceiver](#)

ZKMANET Zhongke Lianxun (Shenzhen) Technology Co., Ltd

+86 13266718951 Info@chinamanet.com zkmanet.com

203-B161, Block B, Garden City Digital Building, No.1079 Nanhai Avenue, Yanshan Community, Merchants Street, Nanshan District, Shenzhen, China