320mW Portable 30mbps UAV Drone Data Link Transmitter for Range 15km
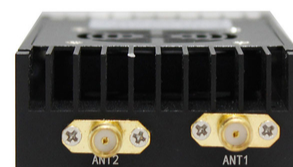
Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE,ISO9001
- Model Number: ZKManet2421UM
- Minimum Order Quantity: 1
- Price: USD 3999~4999
- Packaging Details: Brown Carton
- Delivery Time: 5-8 working days
- 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: 25dBm
- Data Rate: 30Mbps
- Encryption: ZUC/SNOW3G/AES As Optional
- Range: 5-15km (LOS)
- Dimensions: 102*52*21.5mm

More Images

Product Description

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Product Description

The ZKManet2421UM is a sleek and portable unmanned carrier device designed by our company, featuring high-definition and stable image quality. Utilizing cutting-edge OFDM modulation technology, it enables the capture and real-time transmission of high-quality images even in non-line-of-sight conditions and during high-speed movement. The device ensures the encryption of images and data during transmission and supports frequency hopping across 800MHz, 1.4GHz, and 2.4GHz bands. With a transmission rate of 30Mbps and an air-to-ground range of 5-15KM, it is ideally suited for applications requiring prolonged use and high data flow wireless transmission.

Features

* The Frequency supports 800M/Hz1.4GHz/2.4GHz; supports FHSS
* Long Range up to 5~15km(LOS)
* Low latency and low power consumption
* IP transparent data transmission
* Tough aluminum metal case

Specifications

Model		ZKManet2421UM
RF parameters	Frequency	800MHz/1.4GHz /2.4GHz
	Bandwidth	1.4MHz/3MHz/5MHz/10MHz/20MHz
	RF Channel	1T2R
	Output Power	25dBm
Network parameters	Network model	One-to-one and one-to-many
	Data Rate	30Mbps
	Encryption	ZUC/SNOW3G/AES as Optional
	Conflict Handling	frequency adjustment or bandwidth reduction
	Range	5-15km (LOS)
Physics/Environment	Dimensions	102*52*21.5mm
	Weight	124g
	Working Temp	--40ºC +65ºC
	IP Rating	IP67
Electrical parameters	Power supply	DC12V
	Power Consumption	<37dBm
Other	Data Interface	RJ45*2,TTL*1

Panel Description

300MW Portable Long Range 15km Uav Drone Data Link Transmitter

1. Power Cables - power supply input line, red is VDD, black GND
2. Data UART Port (GND, Rx, Tx) - 3.3V TTL
3. Link Status Indicator - When the device works as an acces node, if the connection with the central node is normal, th indicator will be always on. When the device works as central node, this indicator is off.
4. Micro USB Port - For device software maintenance.
5. Indicator (Red) for Power - Always on during normal operatio
6. Indicator for Ethernet Port 2 - Flashes according to the da flow when works normally.
7. Ethernet Port 2 (RN, RP, TN, TP) - Ethernet port 1 and 2 ar internally bridged.
8. Indicator for Ethernet Port 1 - Flashes according to the da flow when works normally.
9. Ethernet Port 1 (RP, RN, TP, TN) - Ethernet port 1 and 2 ar internally bridged.

1. Product Label
2. Air Inlet - for the cooling fan
3. ANT2 Port - Auxiliary antenna, works as auxiliary receiving, NO transmitting.
4. ANT1 Port - Main antenna, work mode is TDD transmitting/receiving.

300MW Portable Long Range 15km Uav Drone Data Link Tran

Application

300MW Portable Long Range 15km Uav Drone Data Link Transmitter 300MW Portable Long Range 15km Uav Drone Data Link Tran

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.

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FAQ

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