

4W 49km MESH UAV Drone Data Link Radio Transmitter with AES256 Encryption

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMNET
- Certification: CE,ISO9001
- Model Number: ZKManet2451
- Minimum Order Quantity: 1
- Price: USD 9999~10999
- 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: 1400-1460MHz (300MHz-3.8GHz Customizable)
- Bandwidth: 5/10/20/40MHz
- RF Channel: 2T2R
- Output Power: 4W
- Network Capacity: 8 Nodes Customizable
- Data Rate: 82Mbps
- Range: 40-49 Km (LOS)
- Dimensions: 113*84*38mm
- Encryption: AES256
- IP Rating: IP54




More Images






Product Description

4W 49km MESH UAV Drone Data Link Radio Transmitter with AES256 Encryption

Product Description

ZKManet2451UM is a 4W MESH video data link that can be used in various communication combinations for different usage scenarios. It can be used on moving vehicles, ships, robots, drones, unmanned boats, etc., allowing for easy plug-and-play operation without the need for configuration or parameter changes. It is primarily used for multimedia interconnection between drones and individual soldiers, and between individual soldiers and base stations.

Features

- * Full transparent IP data transmission
- * Long Range up to 49km (LOS)
- * Data Rate up to 82Mbps
- * Support LAN Port and TTL Port
- * Small size and Light weight

Specifications

Model	ZKManet2451UM	
RF parameters	Frequency	1400-1460MHz (300MHz-3.8GHz Customizable)
	Bandwidth	5/10/20/40MHz
	RF Channel	2T2R
	Output Power	4W
Network parameters	Network capacity	8 nodes(Customizable)
	Data Rate	82Mbps
	Encryption	AES
	Range	40-49 km (LOS)
Physics/Environment	Dimensions	113*84*38mm
	Weight	450g
	Working Temp	-40°C~+65°C
	IP Rating	IP54
Electrical parameters	Power supply	DC12-24V
	Power Consumption	<12W
	Data Interface	Support
Other	LAN Port	Support
	TTL Port	Support

Panel Description

1. MESH antenna interface, SMA F
2. HDMI input interface
3. MESH antenna interface, SMA F
4. LAN/TTL interface (J30J-15TJ connector, PIN 1, 2, 3 and 4 for LAN, PIN 5, 6 and 7 for TTL GND, TX and RX)
5. Power input interface

Application

4W Frequencies 300-3800MHz Customizable Uav Drone Data Link Radio Transmitter

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 have multiple patents with independent intellectual property rights, has established a sound quality system and national standard system that comply with ISO9001 standards, and strictly produces products in accordance with national standards and internationally recognized standards such as CCC, CE, FCC, etc. It has obtained the Radio Transmission Equipment Model Approval Certificate issued by the Ministry of Industry and Information Technology of China and has passed the

wireless product testing certification of the Ministry of Public Security.

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FAQ

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