

4W 56Mbps Data Rate FHSS Wireless Handheld IP Mesh Radio Video Transmitter

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet3151
- Minimum Order Quantity: 1 piece
- Price: USD 3499~6399 per piece
- Packaging Details: carton
- Delivery Time: 3-7 work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per year




Product Specification

- Working Frequency: 1.4GHz, Can Be Customized
- Bandwidth: 2.5/5/10/20Mhz
- RF Channel: 2T2R
- Output Power: 2W
- Cover Distance: 20-30KM(stand Tall)
- Capacity: 64 Nodes
- Data Rate: 56Mbps
- Encryption: AES




More Images






Product Description

4W 56Mbps Data Rate FHSS Wireless Handheld IP Mesh Radio Video Transmitter

Product Description

The ZKManet3151 is a high-performance, high-stability mesh self-organizing network product with FPGA program, which can be used in a variety of communication combinations and applied to different use scenarios. The device with data display, real-time display of device status and device connection status; can be used on the back of a single soldier, you can also use a tripod as a relay, can also be installed at a fixed point, but also in the mobile vehicles, ships, robots, drones, unmanned ships, and so on above the use of anytime, anywhere, a key to open the use of the device, without the need to configure and change the parameters!

Features

- * Frequency 1300-1500MHz (70MHz-6GHz customizable)
- * Data rate up to 56Mbps
- * Full transparent IP data transmission
- * Supports PTT voice intercom
- * Supports GPS/BD/GLONASS (GNSS)
- * HDMI input as optional
- * Supports WIFI
- * Easy operation

Product Parameters

RF Parameters	
Default Frequencies	1300-1500MHz (70MHz-6GHz customizable)
Channel Bandwidth	2.5M/5M/10M/20MHz (40MHz optional)
RF Waveform	TDD-COFDM (2T2R)
Output Power	2x2W, 1dBm step adjustable
Receive Sensitivity	-100dBm@2.5MHz
Modulation Type	BPSK/QPSK/16QAM/64QAM (adaptive)
FHSS	Optional (>1000 hop/s)
IFS	Optional
Network Parameters	
Network Size	Up to 32 nodes
Multi-hop Capability	15 hops (short message); 10 hops (voice); 8 hops (video)
Range	20-30km (Air-to-Ground LOS) 3-10 km (Ground-to-Ground LOS)
Data rate	Up to 28Mbps@10MHz & 56Mbps@20MHz
Delay	7ms@2.5MHz/hop
Movement Speed	>1000km/h
Start Time	27s
Positioning	GPS/BD/GLONASS (GNSS)
Network Access Time	<1s
Network Extension	WIFI AP
Physical/Environment	
Weight	1.2kg (with battery)
Dimensions	246.5*82*42mm
IP Rating	IP66
Working Temp.	-40°C~70°C
Electrical Parameters	
Working Voltage	18.5V (15-21V)
Power Consumption	≤237dBm
Battery Life	6 hours
Interface	
LAN Interface	1*LAN
Voice Interface	PTT Mic (7-pin LEMO connector*1)
Video Interface	Mini HDMI*1

Detailed Photos

Dimensions

Panel Description

Light High Reliability Wireless Handheld IP Mesh Radio Video

- 1- GPS Antenna Interface
- 2- Hand Marker Interface
- 3- Ethernet port
- 4- Wi-Fi Antenna Interface
- 5- MESH Antenna Interface
- 6- Power on button
- 7- Signal indicator
- 8- MESH Antenna Interface

- 9- Modify Parameter Keys
- 10- Modify Parameter Keys
- 11- Monitor
- 12- Modify Parameter Keys
- 13- Battery level display
- 14- HDMI Antenna
- 15- Charging port
- 16- Charging port
- 17-Tripod Interface

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Company Profile

We are 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 non combat 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.

Zhongke Lianxun (Shenzhen) Co.,Ltd has 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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Our Patents

Light High Reliability Wireless Handheld IP Mesh Radio Video Transmitter

Test Equipments

Light High Reliability Wireless Handheld IP Mesh Radio Video Transmitter Light High Reliability Wireless Handheld IP Mesh Radio Video Transmitter

Our Advantages

Light High Reliability Wireless Handheld IP Mesh Radio Video Transmitter Light High Reliability Wireless Handheld IP Mesh Radio Video Transmitter

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