ZKMANET3371 40dBm 45KM Vehicle Mounted Radio with FPGA Solution IP66 Video Transmission

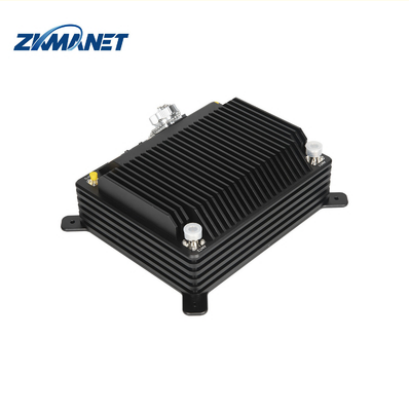
Our Product Introduction

Basic Information

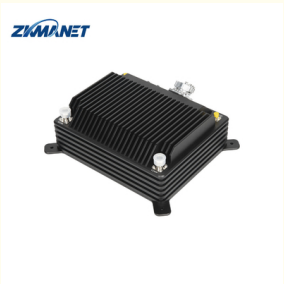
- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE,FCC
- Model Number: ZKMANET3371
- Minimum Order Quantity: 1
- Price: USD 99~999
- Packaging Details: Carton
- Delivery Time: 15 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 1000 pieces per year

Product Specification

- Weight: 3.5KG
- Size: 220*180*85mm
- IP Rating: IP66
- Power: 43dBm
- RF: 1300-1500MHz
- RF Channel: 2T2R
- Application: Wild Emergency Communicate
- Highlight: **40dBm Vehicle Mounted Radio**, **FPGA Solution Vehicle Mounted Radio**, **IP66 Vehicle Mounted Radio**



More Images



Our Product Introduction

for more products please visit us on zkmanet.com

Product Description

ZKMANET3371 40dBm 45KM HIGH POWER VEHICLE MOUNTED RADIO WITH FPGA SOLUTION

Product Description

ZKManet3371 is a high-power radio utilizing an FPGA solution, supporting adaptive frequency hopping and selection. It has the capability to automatically select the optimal frequency in the presence of electromagnetic interference, enabling broadband service transmission in complex scenarios through self-organizing networks. The device is designed with professional shock absorption features, making it easy to install on vehicles, ships, and aircraft. It can be easily powered on with a single button press, without the need for configuration or parameter changes.

Features

* Data rate up to 56Mbps
* Supports two-way voice intercom
* Supports WIFI
* Supports GPS/BD
* Supports HDMI input
* Supports IP data transparent transmission
* Easy operation

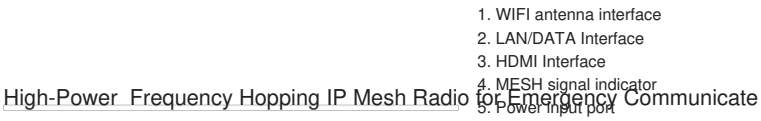
Specifications

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	43dBm (43dBm)
Receive Sensitivity	-100dBm@2.5MHz
Modulation Type	BPSK/QPSK/16QAM/64QAM (adaptive)
FHSS	Optional (>1000 hop/s)
Intelligent Frequency Slection	Optional
Network Parameters	
Network Size	10 nodes(Customizable)
Multi-hop Capability	15 hops (short message); 10 hops (voice); 8 hops (video)
Range	Long distance customizable
Data rate	Up to 28Mbps@10MHz & 56Mbps@20MHz
Delay	7ms@2.5MHz/hop
Movement Speed	>1000km/h
Start Time	27s
Positioning	GPS/BD
Network Access Time	<1s
Network Extension	WIFI AP
Physical/Environment	
Weight	3.5kg (w/o Antenna)
Dimensions	220*180*85mm
IP Rating	IP66
Working Temp.	-40°C~70°C
Electrical Parameters	
Working Voltage	24-36VDC
Power Consumption	≤937dBm
Interface	
LAN Interface	*1
RS232 Interface	*1
Video Interface	HDMI*1

Detailed Photos

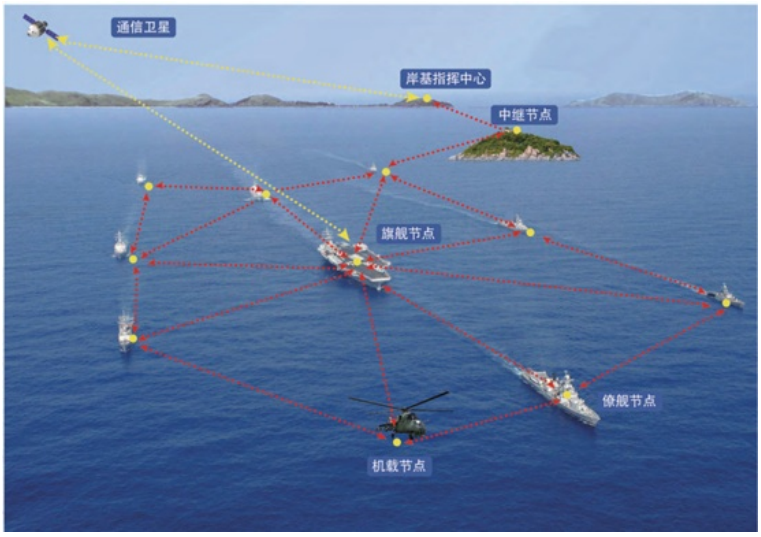
Dimensions

Panal Description



1. WIFI antenna interface
2. LAN/DATA Interface
3. HDMI Interface
4. MESH signal indicator
5. Power input port
6. Power push button
7. GPS antenna interface
8. MESH antenna Interface -1
9. MESH antenna Interface -2

Application



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.

High-Power Frequency Hopping IP Mesh Radio for Emergency Communicate

FAQ

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