

Rugged IP68 30MBps Transmission GPS/BD Positioning Two-Way Intercom Handheld IP Mesh Radio Network

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: ZKManet2111UM
- Minimum Order Quantity: 1
- Price: USD99~999
- Packaging Details: Brown Carton
- Delivery Time: 5~8 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year

ZKMANET



Product Specification

- Frequency: 1.4GHz (Customizable)
- Bandwidth: 20MHz (Typical)
- RFChannel: 1T1R
- Output Power: 23dBm (200mw)
- Network Capacity: 32 Nodes
- Data Rate: 30Mbps
- Encryption: AES
- IP Rating: IP68
- Positioning: GPS/BD
- Core Technology: MESH
- Highlight: 30MBps IP Mesh Radio, IP68 IP Mesh Radio, IP MESH Network

ZKMANET



More Images

ZKMANET



ZKMANET



ZKMANET



Product Description

Rugged IP68 30MBps Transmission GPS/BD Positioning Two-Way Intercom Handheld IP Mesh Radio Network

Product Description

Our Product

The ZKManet2111UM is a sophisticated intelligent terminal that offers support for MESH, 4G, Wi-Fi, Bluetooth, and DMR intercom systems. It enables simultaneous HD video transmission and voice communication while also incorporating features for remote monitoring, including satellite positioning and audio/video capture and upload. Additionally, the terminal provides essential everyday functions such as calling and texting, and it allows for the installation of third-party applications. This device is suitable for use in Public Security, Armed Police, Fire Control, Civil Air Defense, and operations to facilitate real-time communication and coordinated command efforts.

Features

- * MESH, 4G and DMR intercom integrated
- * Supports WIFI, Bluetooth and GPS/BD
- * AES encryption
- * Rugged IP68
- * Buckle design frees both hands
- * Compact size and light weight
- * Flexible networking and rapid deployment

Panel Description

	1- MESH Antenna
	2- Front Camera
	3- Light Sensor
	4- Custom Key
	5- PTT Antenna
	6- Earphone
	7- 4.0 HD Screen
<u>Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio</u>	8- Main Mic
	9- Louderspeaker
	10- Rear Camera
	11- Flash Light
	12- Vice Mic
	13- Battery
	14- 8.7V Dock Charge
	15- Battery Lock
16- Power Button	
17- PTT Button	
18- POC Button	
19- Fingerprint Recognition (Optional)	<u>Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld I</u>
20- Headset Interface (USB/OTG)	
21- Volume Up/Down Buttons	
22- Type-C Interface (USB2.0)	

Specifications

MESH	Frequency	1.4GHz (customizable)
	Bandwidth	20MHz (Typical)
	RF Channel	1T1R
	Output Power	23dBm (200mw)
	Capacity	32 nodes
	Data Rate	30Mbps (Max)
	Encryption	AES
System	OS	Android 8.1
	CPU	MTK Octa-core 2.0GHz
	Memory	64GB ROM+4GB RAM
	Screen	IPS 4 inches capacitive screen, 5-point touch, FHD 1136*640
	Camera Pixel	Sensor type: CMOS Front: 5 million pixels Rear: 13 million pixels
	Voice	Dual silicon Mic, 2W loudspeaker
Network	Data	USB 2.0, 20-pin, supports headset, USB camera, standard type C 2.0 interface
	4G Public	GSM, WCDMA, EVDO, TD-SCDMA, TDD/FDD-LTE
	Wi-Fi	802.11 b/g/n, 2.4G/5.8G
	Bluetooth	BT4.0
	GPS	GPS/BEIDOU/GLONASS
	NFC	13.56MHz Active and passive Peer-to-Peer-ISO/IEC 18092 -NFCIP-1 Initiator & Target Passive mode - Reader/Writer- NFC Forum Type 1/2/3/4/5 tags - ISO/IEC 15693 - MIFARE Classic(a)(b) - Thinfilm (ex Kovio) Barcode• Active mode - Card Emulation - ISO/IEC 14443 Type A & B - JIS X 6319 - 4 - MIFARE Classic(a)(b) through SWP-CLT
	DMR	DMR digital analog combo, supports all voice and data services defined by the standard, and various encryption methods, high power 4W, low power 2W, U section 400-470MHz / Police use 350-400MHz / V section 136-174MHz optional
Physical	Dimensions	148*64*30mm (w/o antenna)
	Weight	430g (w/ battery)
	Working Temp.	-20°C+65°C
	Protection Level	IP68
Electrical	Power Supply	7.6V Lithium Polymer Battery
	Battery Capacity	19Wh
	Power Consumption	<37dBm Average

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech research and development enterprise. Our products primarily leverage Mesh, COFDM and LTE technologies, along with supporting decision-making software, to create emergency communication systems for underground facilities, and police investigations, non-combat training, urban emergencies, and communication vehicles. These solutions are designed for law enforcement agencies and government departments, including public security, armed police, , forest fire prevention, civil defense, and maritime operations. Notably, our intelligent communication products for specialized robots address the challenges of long-distance communication and control in complex environments.

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.

Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio

Our Patents

Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio

Test Equipments

Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio

Our Advantages

Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio

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

