43dBm 82Mbps Multi-Network Mode Integrated Vehicle Base Transceiver

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet7771
- Minimum Order Quantity: 1
- Price: USD 2999~3999
- Packaging Details: Brown Carton
- Delivery Time: 5~8 working days
- Payment Terms: T/T,Western Union
- Supply Ability: 10000 pieces per year

Product Specification

- Working Mode: MESH/3GPP R9 Protocol
- Bandwidth: 2/5/10/20/40MHz
- RF Channel: 4T4R
- Output Power: 43dBm
- Range: 10~15KM
- Data Rate: 82Mbps
- Encryption: AES
- WIFI: 2.4G/5.8G
- Highlight: **Integrated Vehicle Base Transceiver**, **82Mbps Base Transceiver**

More Images

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Key Specifications

Attribute	Value
Working Mode	MESH/3GPP R9 protocol
Bandwidth	2/5/10/20/40MHz
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WIFI	2.4G/5.8G

Product Overview

The **ZKManet7771** is a high-performance, rack-mounted base station designed for emergency communication scenarios. It integrates MESH networking, LTE private networks, 4G public networks, Wi-Fi, and wired connections while supporting GPS/BeiDou positioning for comprehensive situational awareness.
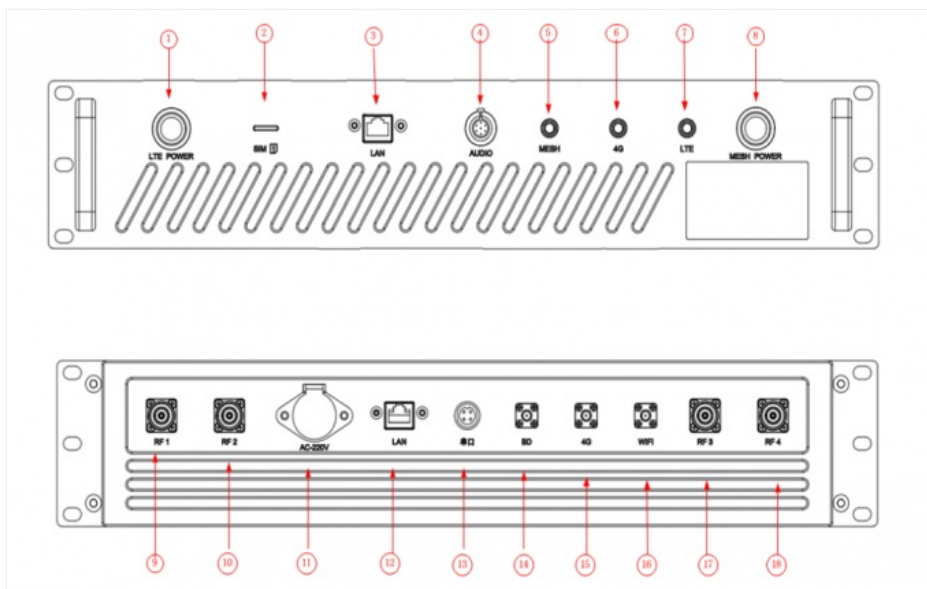
Key Features

- Rack-mounted design for easy installation and deployment
- Supports vehicle power supply and utility power
- LTE private network handheld access capability
- Integrated WI-FI AP supports smart device access
- Mesh self-organizing network device compatibility
- 4G network support
- GPS/BeiDou positioning system
- Remote management capabilities

Dimensions

Control Panel Description

LTE Power Switch

4G Card Slot

Network Port

Intercom Interface

MESH Signal Indicator

4G Signal Indicator

LTE Signal Indicator

MESH Power Switch

MESH Antenna Interface 1

MESH Antenna Connector 2

Power Input Connector

Network Port

Serial port (spare)

BD antenna interface

4G antenna interface

WI-FI Antenna Interface

LTE Antenna Interface 1

LTE Antenna Interface 2

Technical Parameters

RF Parameters	
Working Mode	Support MESH/3GPP R9 protocol
Frequency	MESH: 580MHz (customizable); LTE: 1.4GHz (customizable)
Bandwidth	2/5/10/20/40MHz
RF Channel	4T4R
Output Power	43dBm
Range	MESH: 10~15KM; LTE: ≥2KM
Network Parameters	
Network Capacity	64 nodes; No less than 9 hops
Data Rate	LTE: uplink:>50Mbps; downlink:>15Mbps; MESH: 82Mbps

Encryption	AES128
Public Network	4G
Positioning	BD
WIFI	2.4/5.8G
Physical/Environment	
Dimensions	430*360*89mm
Weight	<10kg
Working Temp	-40ºC~+65ºC
Electrical Parameters	
Power Supply	AC220V/DC12V
Power Consumption	<100W

Manufacturer Information

Zhongke Lianxun (Shenzhen) Co., Ltd was established in 2005. The company specializes in research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption, leveraging expertise from renowned university network security institutes.
We provide data encryption and decryption solutions as well as drone defense solutions for industries including wind power, national power, oil and gas, firefighting, public security, road and bridge construction, and emergency management agencies.

Our Patents

Test Equipment

Our Advantages

ZKMANET Zhongke Lianxun (Shenzhen) Technology Co., Ltd

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