ZKMANET2441 Ground Terminal For Long Distances Video Data Communication Drone Vtol

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE,FCC
- Model Number: ZKMANET2441
- Minimum Order Quantity: 1
- Price: USD 99~999
- Packaging Details: Carton
- Delivery Time: 10 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 1000 pieces per year

Product Specification

- Frequency: 800MHz/1.4GHz/2.4GHz
- RF Channel: 1T2R
- Output Power: 2W
- Range: 49KM
- Interface: RF LAN DC Charger
- Application: Drone UAV VTOL
- Highlight: **ground Terminal OEM**, **drone vtol ground Terminal**, **Long Distances Video Data Communication Terminal**

for more products please visit us on zkmanet.com

More Images

Product Description

ZKMANET2441 Ground Terminal Designed For Long Distances Video Data Communication

Product Description

The ZKMANET2441 is a ground terminal designed for long distances video data communication. It has built-in GPS tracking module and wireless communication module. The airborne GPS module feeds GPS/BD coordinate information to the wireless communication module through serial port for transparent transmission. The ground terminal calculates the pointing angle based on its own latitude and longitude and that of the airborne module. This ensures your ground panel antenna is always aligned with your airborne module, maintaining the best possible wireless reception and significantly increasing the range. It adopts 1T2R dual-antenna transmission, with a high-gain directional antenna for sending and receiving, and an omnidirectional antenna for receiving, which can transmit signals more effectively.

Features

* 2W power output for up to 49km range
* Automatic calibration algorithm at startup
* With main and sub (LoRa) dual links to ensure timely refreshing of GPS data
* Using 1T2R dual-antenna for more reliable transmission
* 360-degree twist-free slip ring

Specifications

Model	ZKManet2441	Brand	ZKMANET
RF Parameters	Frequency	800MHz/1.4GHz/2.4GHz(Customizable)	
	Bandwidth	5MHz/10MHz/20MHz	
	RF Channel	1T2R	
	Output Power	2W	
	Range	49km(LOS)	
PTZ Parameters	Motor Torque	30N*m	
	Rotation Angle	360°horizontally, 90°vertically	
	Angle Accuracy	±2°	
	Maximum Motor Speed	0.21s/60°	
Interface Parameters	RF Interface	N*1,SMA*2	
	LAN Interface	Waterproof aviation connector	
	Power Interface	Waterproof DC connector	
Network Parameters	Data Rate	30Mbps(Max)	
	Encryption	AES128	
Physical/Environment	Dimensions	306*396*416mm	
	Weight	4.2kg (w/ battery & antenna)	
	IP Rating	IP65	
	Working Temp	-40ºC~+60ºC	
Electrical Parameters	Power Supply	DC12V	
	Power Consumption	<High Power	

Dimensions

Drone Uav Accessory Auto-Tracking Directional Antenna Drone Uav Accessory Auto-Tracking Directional Antenna

Panel Description

Drone Uav Accessory Auto-Tracking Directional Antenna Drone Uav Accessory Auto-Tracking Directional Antenna

1. GPS Antenna
2. Directional panel antenna interface, SAM F
3. LoRa link antenna interface, SMA F
4. Power button
5. OLED screen (1.3") and configuration buttons (up, down and menu)
6. Battery indicator
7. Omnidirectional antenna interface, SAM F
8. LAN & Serial port - 9 pin aviation connector (4 pins for LAN, 3 pins for TTL and 2 pins not used)

9. DC power input interface, waterproof

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.

Drone Uav Accessory Auto-Tracking Directional Antenna

Drone Uav Accessory Auto-Tracking Directional Antenna Drone Uav Accessory Auto-Tracking Directional Antenna

FAQ

Drone Uav Accessory Auto-Tracking Directional Antenna Drone Uav Accessory Auto-Tracking Directional Antenna