

IP65 AES128 Ground Terminal UAV 1T2R Drone Data Link Range 49km GPS Tracking Antenna

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2441
- Minimum Order Quantity: 1 piece
- Price: USD 8499~9199 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: 800MHz, 1.4GHz, 2.4GHz
- RF Bandwidth: 5/10/20MHz
- RF Channel: 1T2R
- Transmission Power: 33dBm
- Motor Torque: 30N*m
- Rotation Angle: 360 Degree Horizontally, 90 Degree Vertically
- Angular Accuracy: 2 Degree
- Max. Motor Speed: 0.13s/60degree



More Images



Product Description

IP65 AES128 Ground Terminal UAV 1T2R Drone Data Link Range 49km GPS Tracking Antenna

Product Description

The ZKManet2441 is a ground terminal designed for long distances video data communication. It has built-in GPS tracking

Our Product

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	ZAES128	
Physical/Environment	Dimensions	306*396*416mm	
	Weight	4.2kg (w/ battery & antenna)	
	IP Rating	IP65	
	Working Temp	-40°C~+60°C	
Electrical Parameters	Power Supply	DC12V	
	Power Consumption	<High Power	

Dimensions

Uav Drone Accessory Ground Station Trancker Directional Antenna

Uav Drone Accessory Ground Station Trancker Directional Ant

Panel Description

Uav Drone Accessory Ground Station Trancker Directional Antenna

Uav Drone Accessory Ground Station Trancker Directional Ant

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

Application

Uav Drone Accessory Ground Station Trancker Directional Antenna

Company Profile

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

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FAQ

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