AES128 800MHz 1.4GHz 2.4GHz UAV Data Link System Communication Ground Station For Long Distance

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
- Highlight: **800MHz 1.4GHz UAV Data Link**, **uav data link system**, **Communication Ground Station**

More Images

Product Description

AES128 800MHz 1.4GHz 2.4GHz UAV Data Link System Communication Ground Station For Long Distance

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	ZAES128	
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

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) Technology Co., Ltd. was established in 2005. We focus on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. With excellent quality and advanced technology, we provide comprehensive network communication solutions to our customers.

Our chief scientist team, led by professors from the Network Security Institute of Wuhan University, has achieved remarkable results in the development of man-in-the-middle platforms for network security. The company currently offers platforms such as a drone denial system platform, long-distance wireless video transmission platform for drones, network encrypted data analysis platform, IPSEC man-in-the-middle platform, and SSH man-in-the-middle analysis platform.

We provide design and development services for internet big data collection and analysis products and application solutions to large enterprises and institutions with confidentiality needs. Additionally, we offer sales of network security equipment and information security technical services. Our products are widely used by law enforcement forces and government departments such as public security, armed police, , forest fire prevention, civil air defense, and maritime affairs.

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