

IP Mesh Drone Communication and Data Transmission Link Low Latency Drone Radio Link Relay

Our Product Introduction

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Basic Information

- Brand Name: ZKMANET
- Certification: CE
- Model Number: ZKMANET3451-H
- Minimum Order Quantity: 1
- Price: 1500USD/PC
- Packaging Details: Carton
- Delivery Time: 15days
- Payment Terms: TT
- Supply Ability: 10000pcs/year

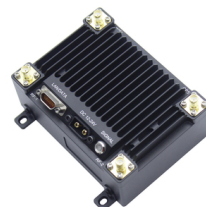


Product Specification

- Extending Interface: HDMI LAN TTL
- Model: ZKmanet3451-H
- Type: Data Link System
- Working Temperature: -40~+70°C
- Ifs: Optional
- Serial Port: 1x UART Port (TTL232)
- Encoding: H.264
- Frequency Band: 1.3-1.5GHz
- Highlight: **IP Mesh Drone Radio Link Relay,
Low Latency Drone Radio Link Relay,
Drone Communication and Data Transmission Link**



More Images



Product Description

Product Description:

The Drone Data Link product offers a reliable and efficient solution for UAV Data Relay and Control Link, also known as the Unpiloted Flying Machine Data Link. Designed with advanced technology, this product ensures seamless Drone Communication and Data Transmission Link during operations.

The model ZKmanet3451-H provides exceptional performance with a rotation angle of 360° horizontally and 90° vertically, allowing for flexible and precise control of the connected drone. This wide rotation angle enhances the drone operator's ability to monitor and navigate the unmanned aircraft effectively.

Operating in extreme conditions is made possible with a working temperature range of -40 to +70°C. This feature ensures that the Drone Data Link remains functional and reliable even in harsh environments, providing consistent connectivity and control for the unmanned aircraft.

Security is paramount in drone operations, and the Drone Data Link product offers top-notch encryption with AES-256. This encryption standard ensures that all data transmitted through the link is secure and protected from unauthorized access, maintaining the integrity and confidentiality of the communication between the drone and the operator.

In addition to its advanced features, the Drone Data Link product is designed to be energy-efficient, with a power consumption of less than 37dBm. This low power consumption not only helps in prolonging the battery life of the connected drone but also ensures that the overall operation remains efficient and cost-effective.

Features:

Product Name: Drone Data Link

Working Temperature: -40~+70°C

Serial Port: 1x UART Port (TTL232)

Ifs: Optional

Type: Data Link System

Model: ZKmanet3451-H

Technical Parameters:

Model	ZKmanet3451-H
Power Consumption	<37dBm
Encryption	AES-256
Type	Data Link System
Serial Port	1x UART Port (TTL232)
Rotation Angle	360° Horizontally, 90° Vertically
Working Temperature	-40~+70°C
Ifs	Optional
Size	142*116*50mm
Encoding	H.264

Applications:

One of the key Product Application Occasions for ZKMANET3451-H is UAV Data Relay and Control Link. This product serves as a reliable and secure communication link between the ground control station and the UAV, ensuring seamless data transmission and real-time control during missions.

Another important scenario where ZKMANET3451-H excels is in Autonomous Airborne Data Relay Systems. Its AES-256 encryption technology provides advanced security for transmitting sensitive data between multiple drones or between drones and ground stations, enabling autonomous operations with high levels of data integrity.

Whether used for surveillance, monitoring, mapping, or any other UAV application, ZKMANET3451-H offers unmatched performance and reliability. Its wide operating temperature range of -40~+70°C makes it suitable for use in various environmental conditions.

Moreover, the rotation angle of 360° horizontally and 90° vertically allows for flexible positioning and optimal signal reception, enhancing the overall effectiveness of the data link. The frequency band of 1.3-1.5GHz ensures stable and interference-free communication.

Customers can benefit from the convenience of ordering just 1 unit with a Minimum Order Quantity of 1, and enjoy a competitive price of 1500USD per unit. The product comes in carton packaging and has a delivery time of 15 days, with payment terms available through TT. With a Supply Ability of 10000 units per year, ZKMANET3451-H is ready to meet the demands of various industries requiring reliable and high-performance data links for their UAV operations.

