Ttl Port Supported Unpiloted Flying Machine Data Link with High Bandwidth and TDD-COFDM 2T2R RF Waveform Support FHSS

Our Product Introduction

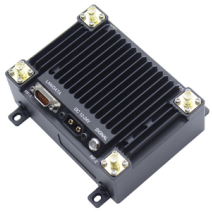
Basic Information

- 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

- Fhss: Support
- Channel Bandwidth: 2.5/5/10/20Mhz
- Receive Sensitivity: -100dBm@2.5MHz
- Frequencies: 1300-1500MHz (70MHz-6GHz Customizable)
- RF Waveform: TDD-COFDM (2T2R)
- IFS: Support
- Modulation Type: BPSK/QPSK/16QAM/64QAM (adaptive)
- Movement Speed: >1000km/h
- Highlight: **FHSS Unpiloted Flying Machine Data Link**, **Ttl Port Supported Flying Machine Data Link**

More Images



Product Description

Product Description:

The Drone Data Link is a cutting-edge communication system designed for the efficient and reliable exchange of data in the Remote Controlled Aircraft Data Network. This advanced technology enables seamless connectivity for Aerial Robot Data Exchange Connection and Unmanned Aerial Vehicle Data Communication System.
Key Features:
Modulation Type: The Drone Data Link supports adaptive modulation types including BPSK, QPSK, 16QAM, and 64QAM. This versatility ensures optimal signal transmission under varying conditions, enhancing the overall performance of the system.
Ttl Port: With support for Ttl Port, the Drone Data Link offers enhanced flexibility in data transmission, allowing for efficient and reliable communication between connected devices.
Network Capability: The system is capable of supporting up to 8 nodes, with customizable configurations to meet specific network requirements. This scalability enables seamless integration into existing networks and facilitates expansion as needed.
Bandwidth: The Drone Data Link offers a wide range of bandwidth options including 1.4MHz, 2.5MHz, 5MHz, 10MHz, 20MHz, and 40MHz. This flexibility allows for efficient data transfer and supports high-speed communication for a variety of applications.
Fhss Support: With support for Frequency-Hopping Spread Spectrum (FHSS) technology, the system ensures robust and secure data transmission, minimizing interference and enhancing overall reliability.
Overall, the Drone Data Link is a state-of-the-art solution for establishing reliable and high-performance data links in the realm of unmanned aerial vehicles. Its advanced features and capabilities make it an indispensable tool for optimizing communication in the ever-evolving landscape of aerial robotics.

Features:

Product Name: Drone Data Link
Transmission Distance: 10-49 Km
Bandwidth: 1.4/2.5/5/10/20/40MHz
Channel Bandwidth: 2.5/5/10/20Mhz
Operating Temperature: -20°C To 60°C
Ip Rating: IP65

Technical Parameters:

RF Waveform	TDD-COFDM (2T2R)
Operating Temperature	-20°C To 60°C
Ttl Port	Support
IFS	Support
Network Capability	8 Nodes (Customizable)
Receive Sensitivity	-100dBm@2.5MHz
Frequencies	1300-1500MHz (70MHz-6GHz Customizable)
Channel Bandwidth	2.5/5/10/20Mhz
Movement Speed	>1000km/h
Interface	RF LAN DC Charger

Applications:

ZKMANET3451-H Drone Data Link is a cutting-edge product designed for drone communication and data transmission. With its advanced RF Waveform technology (TDD-COFDM 2T2R), this product ensures reliable and high-speed wireless data transfer for various drone applications.
One of the key Product Application Occasions for ZKMANET3451-H is in the field of aerial photography and videography. Drones equipped with this data link system can securely transmit high-definition images and videos in real-time, providing professionals with valuable data for mapping, surveying, and monitoring purposes.
Another important scenario for this Drone Wireless Data Transfer Solution is in the realm of precision agriculture. By integrating ZKMANET3451-H into agricultural drones, farmers can collect and analyze data on crop health, soil moisture levels, and pest infestations, leading to more efficient farming practices and increased yields.
Moreover, ZKMANET3451-H is ideal for use in search and rescue missions. With its robust communication capabilities and high receive sensitivity (-100dBm@2.5MHz), this product enables drones to relay crucial information and coordinate rescue efforts in emergency situations, helping to save lives.
Additionally, ZKMANET3451-H is well-suited for applications in the defense and security sector. Its ability to operate in extreme temperatures (-20°C to 60°C) and at high movement speeds (>1000km/h) makes it a reliable choice for military drones and surveillance systems that require seamless data transmission in challenging environments.
Whether it's for commercial, industrial, or governmental use, ZKMANET3451-H Unmanned Aerial Vehicle Data Communication System

offers a versatile and efficient solution for drone operators. With a minimum order quantity of just 1 unit, competitive pricing at 1500USD/PC, and quick delivery time of 15 days, this product provides convenience and reliability for customers worldwide.
Don't miss out on the opportunity to enhance your drone operations with ZKMANET3451-H Drone Data Link. Contact us today to place your order and experience the benefits of this state-of-the-art drone communication and data transmission technology.

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