MESH FPGA Technology Ship Mounted Data Link Receiver Sensitivity -100dBm Up To 28Mbps 10MHz 56Mbps 20MHz Throughout Rate

Our Product Introduction

Basic Information

- Brand Name: ZKmanet
- Certification: CE,FCC,ROHS
- Model Number: ZKmanet9304
- Minimum Order Quantity: 2pieces
- Packaging Details: carton
- Delivery Time: 1-4weeks
- Supply Ability: 3000pieces/month

Product Specification

- RF Waveform: TDD-COFDM + 2T2R
- Weight: 12.5 Kg
- Working Temperature: -40ºC~+70ºC
- Receiver Sensitivity: -100dBm
- Frequency Hopping: Support
- Dimensions: 2U (483*390*89mm)
- Latency: 7ms@2.5MHz/hop
- IFS: Support
- Highlight: **Ship Mounted Data Link Receiver**, **10MHz Ship Mounted Data Link**, **28Mbps Ship Mounted Data Link**

More Images

Product Description:

With a low latency of 7ms at 2.5MHz/hop, the Ship Mounted Data Link product offers real-time communication capabilities, enabling swift and efficient data exchanges between ships or between a ship and onshore facilities. This ensures rapid decision-making and response times, crucial for operational success in maritime environments.

The product operates within the frequency range of 1300-1500MHz, with customizable options extending from 70MHz to 6GHz. This wide frequency coverage allows for seamless integration with existing ship communication systems and provides the flexibility to adapt to different frequency bands as needed. Whether for short-range ship-to-ship communication or long-range ship-to-shore data links, this product can meet diverse communication requirements.

One of the standout features of the Ship Mounted Data Link product is its long-range capability. Equipped with high-power transmission, this product can establish stable and reliable communication links over extended distances, making it ideal for use in maritime operations that require connectivity over vast expanses of water.

Designed to meet the demanding communication needs of modern ships, the Ship Mounted Data Link product is a powerful tool for enhancing situational awareness, coordination, and operational efficiency at sea. Whether used as a ship mount radio, MESH RF radio, or FPGA Radio, this product delivers robust and dependable performance, ensuring seamless communication in challenging maritime environments.

Features:

Product Name: Ship Mounted Data Link
Encoding: H.264
Core Technology: MESH FPGA
Working Temperature: -40ºC~+70ºC
Range: Long Range
Throughout Rate: Up To 28Mbps@10MHz & 56Mbps@20MHz

Technical Parameters:

Throughout Rate	Up To 28Mbps@10MHz & 56Mbps@20MHz
Receiver Sensitivity	-100dBm
Frequency hopping	Support
Core Technology	MESH FPGA
Modulation Type	BPSK/QPSK/16QAM/64QAM (adaptive)
Encoding	H.264
Channel Bandwidth	2.5/5/10/20MHz,20MHz Typical
Working Temperature	-40ºC~+70ºC
Range	Long Range
Power	High Power

Applications:

ZKmanet Ship Mounted Data Link product (Model Number: ZKmanet9304) is a cutting-edge solution designed for various Product Application Occasions and Scenarios, especially in maritime settings. With its Place Of Origin in China, this product offers exceptional performance and reliability.

The dimensions of the ZKmanet9304 are 2U (483*390*89mm), making it compact and suitable for ship installations. Its Channel Bandwidth options include 2.5/5/10/20MHz, with 20MHz being the typical choice. This allows for flexible and efficient data transmission. Equipped with Frequency hopping technology, the ZKmanet9304 ensures secure and interference-free communication in Ship mount datalink applications. The FHSS Ship mount RF radio feature enables seamless connectivity even in challenging maritime environments. Operating at High Power, this data link product delivers impressive throughput rates of Up To 28Mbps@10MHz and 56Mbps@20MHz. Whether for real-time video streaming or large data transfers, the ZKmanet9304 excels in handling high-bandwidth requirements. Furthermore, the ZKmanet9304 supports H.264 encoding, ensuring efficient data compression without compromising on quality. This makes it ideal for transmitting high-definition video feeds or other multimedia content over the ship's network.

In conclusion, the ZKmanet Ship Mounted Data Link product is a top choice for maritime applications that demand reliable, high-speed communication. Its advanced features, including Frequency hopping, FHSS Ship mount RF radio, and High Power operation, make it a versatile solution for modern shipboard data connectivity needs.