12.5 Kg Ship Mounted Data Link 2U 483*390*89mm Frequency Hopping Support for Maritime Communication

Our Product Introduction

Basic Information

- Brand Name: ZKmanet
- Model Number: ZKmanet9304
- Packaging Details: carton
- Delivery Time: 1-4weeks
- Supply Ability: 3000pieces/month

Product Specification

- Dimensions: 2U (483*390*89mm)
- Frequency Hopping: Support
- Modulation Type: BPSK/QPSK/16QAM/64QAM (adaptive)
- Core Technology: MESH FPGA
- Latency: 7ms@2.5MHz/hop
- Channel Bandwidth: 2.5/5/10/20MHz,20MHz Typical
- Power: High Power
- Working Temperature: -40ºC~+70ºC
- Highlight: **Maritime Communication Ship Mounted Data Link**

  , 12.5 Kg Ship Mounted Data Link,

  Frequency Hopping Ship Mounted Data Link

More Images

Product Description:

The Ship Mounted Data Link product offers a comprehensive solution for seamless communication between ships by utilizing advanced technology and reliable performance. With a focus on versatility and efficiency, this product is equipped with various features to meet the demands of modern maritime operations.

One of the key attributes of the Ship Mounted Data Link is its adaptive Modulation Type, which includes BPSK, QPSK, 16QAM, and 64QAM. This adaptive modulation capability allows for enhanced data transmission efficiency, ensuring reliable communication even in challenging maritime environments.

At the core of this product lies the MESH FPGA technology, which provides a robust and flexible platform for data processing and communication. The MESH FPGA technology enables high-speed data transmission and low latency, making it ideal for real-time applications on ships.

Operating within the frequency range of 1300-1500MHz (with customizable options from 70MHz to 6GHz), the Ship Mounted Data Link offers long-range communication capabilities, allowing ships to stay connected over vast distances. Whether for coordination between multiple vessels or communication with onshore facilities, this product ensures reliable connectivity at all times.

Designed for installation in a standard 2U rack (483*390*89mm), the Ship Mounted Data Link is compact and space-efficient, making it suitable for integration into existing shipboard systems. Its rack mount design allows for easy installation and maintenance, ensuring minimal downtime and optimal performance.

Overall, the Ship Mounted Data Link is a versatile and reliable solution for ship-to-ship communication, leveraging advanced technologies such as MESH RF radio and rack mount RF radio to provide seamless connectivity and data exchange. With its adaptive modulation capabilities, long-range communication range, and compact dimensions, this product is well-suited for modern maritime applications that require efficient and secure data links between ships.

Features:

Product Name: Ship Mounted Data Link

IFS: Support

Channel Bandwidth: 2.5/5/10/20MHz,20MHz Typical

Core Technology: MESH FPGA

Latency: 7ms@2.5MHz/hop

Encoding: H.264

Technical Parameters:

Weight	12.5 Kg
Latency	7ms@2.5MHz/hop
Core Technology	MESH FPGA
Dimensions	2U (483*390*89mm)
Working Temperature	-40ºC~+70ºC
Power	High Power
Frequency	1300-1500MHz (70Mhz-6Ghz Customizable)
Range	Long Range
Encoding	H.264
Channel Bandwidth	2.5/5/10/20MHz,20MHz Typical

Applications:

ZKmanet Ship Mounted Data Link, model ZKmanet9304, is a cutting-edge communication solution designed for ship-mounted applications. Manufactured in China, this data link system is built for long-range communication, making it ideal for maritime operations requiring reliable and high-speed data transmission.

With a frequency range of 1300-1500MHz (customizable from 70MHz to 6GHz), the ZKmanet9304 offers versatile connectivity options to suit various operational requirements. Its FPGA radio technology ensures efficient data processing and transmission, providing a seamless communication experience for users.

Whether used for ship-to-ship communication, ship-to-shore data transfer, or other maritime applications, the ZKmanet9304 excels in delivering high-speed data rates of up to 28Mbps at 10MHz and 56Mbps at 20MHz. This remarkable throughput rate enables real-time data exchange and supports mission-critical operations at sea.

Equipped with high-power capabilities, this ship-mounted data link system ensures reliable signal transmission over long distances, enhancing communication efficiency and operational effectiveness. The receiver sensitivity of -100dBm further enhances signal reception, allowing for clear and uninterrupted data exchange even in challenging maritime environments.

Whether deployed for naval operations, maritime surveillance, offshore exploration, or other ship-based scenarios, the ZKmanet9304 offers a robust and reliable communication solution. Its advanced features, including long-range capability, high throughput rates, and high-power performance, make it an indispensable tool for ensuring seamless connectivity and data transfer on the open seas.

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