

Long Range Transmission Range Vehicle Mounted Data Link for Transmission and GPS/BD Positioning

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: ZKMANET
- Model Number: ZKMANET3561
- Minimum Order Quantity: 2




Product Specification

- RF Waveform: TDD-COFDM (2T2R)
- Receive Sensitivity: -100dBm@2.5MHz
- Transmit Power: High Power
- Transmission Range: Long Range
- Frequency Range: 1300-1500MHz (70MHz-6GHz Customizable)
- Ip Rating: IP67
- Video Compression: H.264/H.265
- FHSS: Optional (>1000 Hop/s)
- Highlight: Long Range Vehicle Mounted Data Link, Vehicle Mounted Data Link for Transmission, GPS Positioning Vehicle Mounted Data Link




More Images










Product Description

Product Description:

With a throughput rate of 56Mbps, this Automotive Data Link System can handle large volumes of data without any lag. This makes it ideal for applications such as video streaming, real-time monitoring, and high-speed internet access. The system also features a GPS/BD positioning system that enables accurate location tracking and navigation.

The Vehicle Mounted Data Link system is designed to work in extreme temperatures, with a working temperature range of -40°C-+70°C. This ensures that the system can operate in harsh environments without any compromise in performance. The system is also designed to be rugged and durable, making it suitable for use in challenging conditions.

The Vehicle Mounted Data Link system uses advanced modulation techniques such as BPSK/QPSK/16QAM/64QAM (adaptive) to ensure reliable data transmission. These modulation techniques allow the system to adapt to changing environmental conditions, ensuring that data is transmitted without any errors.

In summary, the Vehicle Mounted Data Link system is a reliable and efficient Car-mounted Data Link Service that provides high-speed data transmission over long ranges. With its GPS/BD positioning system, it is perfect for use in automotive data applications that require accurate location tracking and navigation. The system is designed to work in extreme temperatures and uses advanced modulation techniques to ensure reliable data transmission. Whether you need to stream video, monitor data in real-time, or access the internet at high speeds, the Vehicle Mounted Data Link system is the perfect solution.

Features:

Product Name: Vehicle Mounted Data Link

Wifi: 2.4GHz

Video Compression: H.264/H.265

Delay: 7ms@2.5MHz/hop

Transmit Power: High Power

Throughout Rate: 56Mbps

The Vehicle-mounted Data Link System is a high-speed wireless communication system designed for vehicles. It is also known as the Vehicle-borne Data Link System or Vehicle-mounted Data Link Service. It uses wifi technology with a frequency of 2.4GHz and supports video compression using H.264/H.265. With a delay of only 7ms at 2.5MHz/hop, it provides fast and reliable data transmission. The system has a high transmit power and a throughput rate of 56Mbps, making it ideal for applications that require high-speed data transfer.

Technical Parameters:

Product Attribute	Value
Product Name	Vehicle-mounted Data Link System
IFS Intelligent Frequency Selection	Optional
Network Size	Up to 32 Nodes
Frequency Range	1300-1500MHz (70MHz-6GHz Customizable)
Modulation Type	BPSK/QPSK/16QAM/64QAM (adaptive)
Video Compression	H.264/H.265
FHSS	Optional (>1000 Hop/s)
Working Temperature	-40°C-+70°C
IP Rating	IP67
Transmit Power	High Power
Positioning	GPS/BD

Applications:

With a throughput rate of 56Mbps and video compression using H.264/H.265, the ZKMANET3561 ensures that data is transmitted quickly and efficiently, even in high traffic areas. The modulation type used by this data link product is adaptive, with options for BPSK, QPSK, 16QAM, and 64QAM, ensuring that it can adjust to different communication environments seamlessly. The receive sensitivity of -100dBm@2.5MHz ensures that even weak signals can be received without any interruptions.

One of the key features of the ZKMANET3561 is its positioning system, which uses GPS/BD for accurate location tracking. This feature is particularly useful for fleet management, logistics tracking, and other transportation-related applications.

The ZKMANET3561 can be used in a wide range of applications and scenarios. In public safety, this data link system can be used to transmit real-time video and audio between law enforcement vehicles and command centers. For transportation and logistics, it can be used to track the location of vehicles and cargo in real-time, ensuring that shipments are delivered on time and securely. It can also be used in industrial applications, such as remote monitoring of machinery and equipment, as well as in agriculture for precision farming. In summary, the ZKMANET ZKMANET3561 is a versatile and reliable car-based data link system that can be used in a wide range of scenarios and industries. Its high throughput rate, adaptive modulation, and accurate positioning system make it an ideal choice for vehicle-based data link service.

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