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CROSS STARS MAC-TXBASE-24 Communication Integrate Device User Manual

Communication Integrate Device -Product Specification

Contents

Communication Integrate Device

MAC-TXBASE-24 PRODUCT DESCRIPTION

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1. Product Introduction

The Communication Integration Device is mainly used in cooperation with the CROSS STARS III UAV. The Communication Integration Device connects Communication Port, RTK Position Ground Device and PC software station. Communication Integration Device is the hub of the entire communication network

2. Product Main Characteristics

- Rich interfaces: 24 Ethernet ports, USB port, radio antenna ports and AC power ports.
- Long distance wireless transmission: Use the radio system to transmit the information between the RTK Position Ground Device and CROSS STARS III UAV.
- Simple operation: The interconnection of devices can be completed according to the silk screen on the front panel.

3. Product Description

The Communication Integration Device MAC-TXBASE-24 as an important accessory of CROSS STARS III UAV, is highly integrated with the Ethernet switch, Communication AC and Radio module.
The MAC-TXBASE-24 overall weight is 11.4kg and the size is 540*341*112mm. The components as shown in the figure as below:

1. Metal housing

2. Storage bag

3. External interface

4. Communication system

5. Wireless Radio system

6. Convenient handle

1. Metal housing: The metal housing provides a fixed installation position for each equipment.

2. **Storage bag:** The storage bag can package the cables such as USB cables, power cables, network cables and other cables.

3. External interface: It has rich external interfaces, including Wireless radio terminal interface, USB interface, network interface, power interface, etc.

4. Communication system: Which contain the Ethernet Switch and Communication AC, it connects the Communication Port EAP-CP8 and PC terminal to realize the information communication.

5. **Wireless Radio system:** The system deal with the information of the RTK Position Ground Device and UAV, to make sure the long-distance wireless transmission.

6. Convenient handle: Simple handle design, easy to carry.

4. Product Parameter Description

The Communication Integration Device MAC-TXBASE-24 is the communication hub of the whole system, it ensures the communication between the CROSS STARS III and the ground PC terminal. Its detailed parameters as shown the following table as below.

Communication Integration Device MAC-TXBASE-24 Product parameter table

Num	Detail Item	Parameter
1	Overall weight	11.4kg
2	Size	540*341*112mm
3	Input voltage	100~240VAC
4	Power	275W(MAX)
5	Radio communication distance	≥2km
6	Radio communication frequency	902-928MHz (FCC) 863-876MHz (CE)
7	Ethernet ports number	24
8	Operating temperature	-10°C~+55°C

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Documents / Resources

CROSS STARS MAC-TXBASE-24 Communication Integrate Device [pdf] User Manual
MAC-TXBASE-24, MACTXBASE24, 2A9JR-MAC-TXBASE-24, 2A9JRMACTXBASE24, MAC-TXBASE-24 Communication Integrate Device, MAC-TXBASE-24, Communication Integrate Device, Integrate Device, Device