

CYBOX AP-A | SENCITY® RAIL ACTIVE IN-CARRIAGE ANTENNA

SAFETY INFORMATION

REVISION

Revision 1.0
Date 28.11.2022

PACKAGE CONTENTS

Product 1 x ELTEC - CYAPA-1xxx | HUBER+SUHNER - 1499.00.0015
Documentation 1 x Safety Information

LEGAL INFORMATION

Detailed technical characteristics and legal information as well as effective license provisions can be found in the Download Center (<https://downloadcenter.eltec.de/login>) on our website www.eltec.com.

EU Declaration of Conformity



ELTEC Elektronik AG herewith declares that the device is compliant to the basic requirements of the directive 2014/53/EU. The full text of the EU declaration of conformity is available in the Download Center.

CONTACT

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SAFETY INFORMATION

- Please read the configuration and installation manuals carefully before installing and using any of our products, especially for output power and frequency bands of the radio modules. You can download the manuals after registration in the Download Center (<https://downloadcenter.eltec.de/login>) on our website www.eltec.com.
- Allow only appropriately trained personnel to handle the devices and observe the Electrostatic Discharge (ESD) protective measurements.
- Usage restriction: The designated product may only be used in an industrial environment (Class A product) in accordance with the specifications stated in the manuals.
- The device can become hot during operation (~ 60°C).
 - Make sure the device is protected from accidental contact.
 - The device must be installed inaccessible to children.
 - To prevent burns, switch off the device and allow to cool down for half an hour before disassembling or working on it.
- Do not install the device close to any sources of heat, such as radiators or heating ducts.
- Keep the device away from any liquids and avoid exposure to dripping or splashing. The protection class of the housing is IP 54.
- To prevent the risk of electric shock, turn off the external power supply and remove the power supply cable from the electrical outlet before handling or disassembling the system.
- When connecting or disconnecting devices to or from the system ensure that the power cables of the devices are unplugged before the signal cables are connected. If possible, disconnect all power cables from the existing system before connecting the device.
- Before connecting or removing signal cables ensure that all power cables are unplugged.
- Make sure that your power supply is set to the correct voltage in your area. If you are not sure about the voltage of the electrical outlet you are using, contact your local power company.
- At least 20 cm separation distance between the antenna and the user's body must be always maintained.

RADIO FREQUENCIES AND TRANSMITTING POWER

WLAN	Range	Max. Power (e.i.r.p.)
2.4 GHz	2.4 – 2.483 GHz	20 dBm
5 GHz	5.15 – 5.35 GHz	23 dBm
	5.47 – 5.725 GHz	30 dBm
5.8 GHz	5.725 – 5.875 GHz	13 dBm



The following restrictions are effective in the EU member states AT, BE, BG, CY, CZ, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK.

The WLAN frequency band 5.15 GHz to 5.35 GHz is intended only for indoor use.

The gain of the integrated antenna is 4 dBi.

For further details about the setting of transmit powers please refer to the configuration manual.