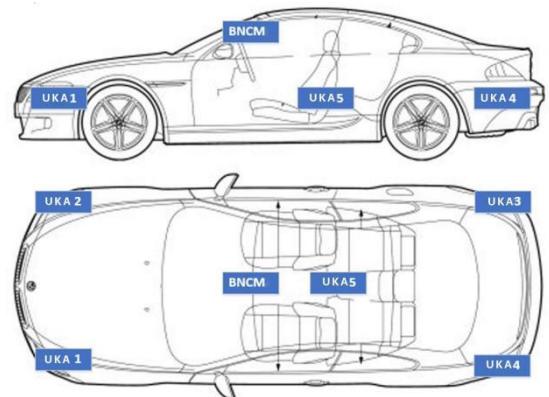


Product Description:

LD220 is a vehicle-mounted UWB digital key product developed by LINKSIC (consist of COMMUNICATION MODULE-BLE AND NFC KEY, ANTENNA-UWB and Key assy) . Using UWB centimeter-level precision ranging capability, the vehicle can be arranged with multiple anchor points and combined with the paired keyfob or mobile phone to realize the vehicle's close-range accurate spatial perception. Using the vehicle space perception, the vehicle autonomously judges the key position to achieve intelligent control, such as: non-inductive unlocking (PE), one-button start (PS), active welcome.

The system mainly consists of three parts: keyfob/ mobile phone (tag), multiple UKA (anchor) and BNCM. The first two are responsible for UWB ranging, and BNCM realizes positioning algorithm and body CAN communication connection.



Product feature:

- ✓ High precision UWB positioning
- ✓ Anti relay attack
- ✓ Hardware SE encryption and decryption
- ✓ Support CCC3.0 digital key specification
- ✓ Keyfob&Mobile phone connection
- ✓ Up to 8 UKAs
- ✓ BLE 5.1, Up to four hosts are connected
- ✓ PEPS、Active welcome light
- ✓ CAN UDS Diagnostic service
- ✓ FOTA Software upgrade
- ✓ Compliance IATF 16949、APQP、PPAP



UKA anchor



BNCM

ver: V1.0

Product specification:

CPU	UWB: NCJ29D5B BLE: CC2642R2	RatedVoltage	12V
Communication	IEEE 802.14.4z UWB PHY BLE5.1	Operatinghumidity	5%~95%RH
Frequency	UWB: 6-8.5GHz BLE: 2.402-2.48GHz	Operatingtemperature	-40~+85°C
Positionalaccuracy	10cm	CE Transmit Power (Max. EIRP)	UWB: -4.46dBm/50 MHz BLE: 6.4dBm
Transmission rate	6.8Mbps (BPRF) 7.8Mbps (HPRF)		

Application scenarios:

- ✓ PEPS
- ✓ Trunk open
- ✓ Gate access control
- ✓ Vehicle Indoor positioning system, positioning, automatic parking
- ✓ Live detection and intrusion detection in radar mode



Importer: ✓ Company:xxx Address:xxx

EU Declaration of Conformity:

Hereby, [Xi'an Linksci Technology Co., Ltd.] declares that the radio equipment type [LD220_UKA] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

www.xxx.com/xxx/cer/index.html

- ✓ This equipment is not suitable for use in locations where children are likely to be present.
- ✓ Only for vehicle products.

Ver: V1.0

FCC Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE: 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

Ver: V1.0