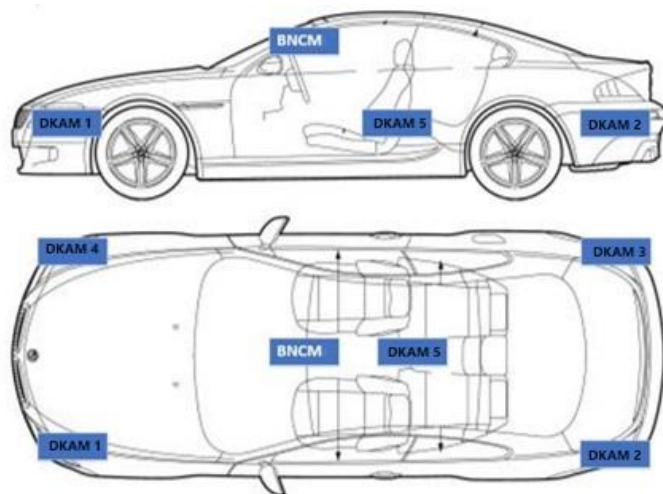


Production Introduction:

LLD220-DKAM-1 is an in-vehicle pre-installed anchor unit (keyfob sensor) developed by Liancheng Intelligence. By deploying multiple anchor units across the vehicle and pairing them with keyfobs or smartphones via ****UWB/BLE**** wireless communication, it achieves ****centimeter-level precision positioning**** through ranging measurements. This enables the vehicle to:

- Spatially perceive and autonomously determine key locations
- Implement intelligent control functionalities including:
 - Hands-free lock/unlock (****Passive Entry, PE****)
 - Biometric anti-spoofing verification
 - Proactive welcome features (e.g., adaptive lighting/power tailgate activation)



DKAM-Product Features:

- ✓ ARM® Cortex-M33 32-bit processor @ 55.2 MHz
- ✓ Compliant with IEEE 802.15.4 HRP UWB PHY standard
- ✓ High-precision UWB ranging
- ✓ BLE positioning (supports BLE 5.2)
- ✓ Supports CCC 3.0 Digital Key specification
- ✓ Supports ICCE Digital Key specification
- ✓ Ultra-low power consumption
- ✓ Compatible with keyfobs and smartphones
- ✓ Supports deployment of up to 8 DKAM units
- ✓ CAN UDS diagnostic services
- ✓ FOTA (Firmware Over-the-Air) upgradable
- ✓ Complies with IATF 16949, APQP, PPAP quality



management processes

版本: V1.0

LU200_DKAM

Product Parameters:

Processor	UWB: NCJ29D5B BLE: CC2642R2 MCU: AC78013	Operating Voltage	9~16V
Communication	IEEE 802.14.4z UWB PHY BLE 5.2	Operating Humidity	5%~95%RH
Frequency Band	UWB: 6-8.5GHz BLE: 2.402-2.48GHz	Operating Temperature	-40~+85°C
Data Rate	6.8Mbps (BPRF) 7.8Mbps (HPRF)	Power Consumption	55mA
Positioning Accuracy	10cm	Communication Interface	CAN FD

Application Scenarios:

- ✓ High-precision UWB ranging (centimeter-level accuracy)
- ✓ BLE ranging & zone detection
- ✓ Biometric anti-spoofing
- ✓ Hands-free lock/unlock (Passive Entry, PE)
- ✓ Proactive welcome features
- ✓ Foot gesture (kick) detection



版本: V1.0

湖北联乘智能科技有限公司

Hubei LINKSCI Technology Co., Ltd

@ 公司地址: 陕西省西安市高新区唐延南路10号中兴产业园

✉ 公司邮箱: public@link-sci.com

☎ 公司电话: 029-81101705

EU Declaration of Conformity:

Hereby, [Hubei Linksci Technology Co., Ltd.] declares that the radio equipment type [LD220-DKAM-1] 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

Max. EIRP: 2.4dBm(BLE 2.4~2.4835GHz), -4.61dBm/50 MHz(UWB 6-8.5GHz)

This equipment is not suitable for use in locations where children are likely to be present.

Only for vehicle products.

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 and RSS-247 of Industry Canada. 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.