

FCC ID : 2A88K-PLE52

Specification Sheet

Model	PLE-52
Images	
Dimensions	16 x 10 x 2.3 (mm)
Specifications	
IC	nRF52832-QFAA
CPU	ARM Cortex-M4F at 64MHz
Memory	512kB Flash + 64kB RAM
Wireless Protocol	Bluetooth 5 / ANT / Bluetooth mesh / 2.4 GHz proprietary
Max Data Rate	Bluetooth : 2Mbps ANT : 1Mbps 2.4GHz : 2Mbps
TX power	+4 dBm to -20 dBm in 4dB steps
Sensitivity	Bluetooth : -96 dBm to -89 dBm 802.15.4 : -100 dBm ANT : -93dBm
Hardware security	128-bit AES CCM, ECB, AAR
Voltage Supply	1.7 to 3.6 V LDO or DC/DC
Operating Temperature	-45 °C to +85 °C
GPIO	32
Interfaces	SPIM/SPIS x 3, TWIM/TWIS x 2, UART x 1, PWM x 3, I2S, PDM, QDEC, ADC, NFC Tag
Bluetooth Features	
Bluetooth 5.1	-
Bluetooth 5.0	2Mbps, Advertising Extensions
Certifications	
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Certification

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D887-6297-768D-241D

방송통신기자재등의 적합인증서 Certificate of Broadcasting and Communication Equipments	
상호 또는 성명 <i>Trade Name or Applicant</i>	주식회사 엘테크
기자재명칭(명칭) <i>Equipment Name</i>	특정소출력 무선기기(무선데이터통신시스템용 무선기기)
기본모델명 <i>Basic Model Number</i>	PLE-52
파생모델명 <i>Series Model Number</i>	PLE-52M, PLE-52ML
인증번호 <i>Certification No.</i>	R-C-pro-B01
제조사/제조국가 <i>Manufacturer/ Country of Origin</i>	주식회사 엘테크 / 한국
인증연월일 <i>Date of Certification</i>	2019-04-26
기타 <i>Others</i>	
위 기자재는 「전파법」 제58조의2 제2항에 따라 인증되었음을 증명합니다. It is verified that foregoing equipment has been certificated under the Clause 2, Article 58-2 of Radio Waves Act. 2020년(Year) 08월(Month) 13일(Day) 국립전파연구원장  Director General of National Radio Research Agency ※ 인증 받은 방송통신기자재는 반드시 "적합성평가표시"를 부착하여 유통하여야 합니다. 위반시 과태료 처분 및 인증이 취소될 수 있습니다.	

FCC compliance information

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Caution: Any changes or modifications in construction of this device which are not expressly approved by the 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 interface, and
2. This device must accept any interference received, including interference that may cause undesired operation.

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 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 radio or television off and on, the user is encouraged to try to correct interference by one or more of the following measures.

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on another circuit.
4. Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure 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 20cm between the radiator & your body.

This module is intended for OEM integrator. The OEM intergrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

Description of the product to which the module will be mounted

The RF Module, PLE-52, FCCID: 2A88K-PLE52 will be installed on board of the NB-WC2 by NearBeBe.