

Digital Broadcasting Device Datasheet

Model No.: S2

V1.0

Part #	Description
S2	Yellow, Bluetooth® 5.0 Digital Broadcasting Device with Photo-transistor, pre-flashed Beacon Plus software supports broadcasting iBeacon, Eddystone and sensor data simultaneously
S2	Bluetooth® 5.0 Digital Broadcasting Device with Photo-transistor, detecting whether the environment is light or dark, pre-flashed MiniBeacon Plus software supports broadcasting iBeacon, Eddystone and sensor data simultaneously

The Digital Broadcasting Device S2 is the latest low energy Bluetooth® 5.0 IoT sensor device. It can detect whether the environment is light or dark. The hardware is based on the ultra-low power consumption BLE chipset nRF52 series, it is designed for the commercial advertising, indoor location-based service and specialized for the asset management and tracking application.

Moreover, if the special / customization firmware has MESH function, it can work on S2 Digital Broadcasting Device hardware smoothly.

FEATURES

- IP65 waterproof
- Light sensor inside
- Bluetooth® 5.0 chipset nRF52 series
- The max. 50 meters advertising distance
- 1 year battery lifetime at default settings
- Ultrasonic assembling technology



S2 Digital Broadcasting Device

CERTIFICATIONS

- iBeacon MFi License (iBC-14-00582)
- Bluetooth® EPL Certification
- FCC Regulation (FCC Part 15, processing)
- CE Regulations (Included EN300328/301489/60950/62479, processing)

ELECTRONIC PARAMETERS

Item	Value	Remarks
Case Color	Black, Yellow	Null
Battery Model	3.0V	220mAh
Operation Voltage	1.7-3.9V	DC
Transmission Circuit	6.5mA (Max.)	Tested at 0dBm transmission power
Transmission Range	50 meters	Maximum
Light sensor	Photo-transistor	Null
Broadcasting Interval	10 seconds	Null
Antenna	50ohm	On board / PCB Antenna
Accessories	Double-sided adhesive	1pc, high strength
Net Weight	7.0g	Null
Size	52.6*23.7*5.3mm	Null
Working Temperature	-20~60℃	Null
Working Humidity	30~70%	Null

TECHNICAL SUPPORT

Item	Version	File Name	Updated Date
Datasheet	V1.01	S2 Digital Broadcasting Device Datasheet_1.01	2 nd July, 2019
2 nd Development	V2.0	Digital Broadcasting Device Interface Document_2.0	12 nd May, 2018
Configuration Tools	---	nRFConnect / BeaconSET+	---

PACKING INFORMATION



Image 1

Details	Inner Box (foam)	Carton
Quantity (S2)	100pcs per package box	1000pcs per carton
Net Weight	0.7kg	7.0Kg
Gross Weight	0.8Kg	8.0Kg
Size	30.5 x 11 x 7.5 cm	32 x 23 x 40 cm

APPENDIX

1. J-LINK Programmer Kit;
2. Over-the-Air Function;

Please contact Minew sales team to ask more related information if needed.

DECLARATION

The contents of this datasheet are subject to change without prior notice for further improvement. Minew team reserves the right to explain all the terms of this datasheet.

FCC warning

Any Changes or modifications not expressly approved by the party responsible for compliance 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.

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 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.

CONTACT

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