



AMOSENSE ASUWBM11 UWB Module User Guide

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AMOSENSE ASUWBM11 UWB Module



Frequently Asked Questions

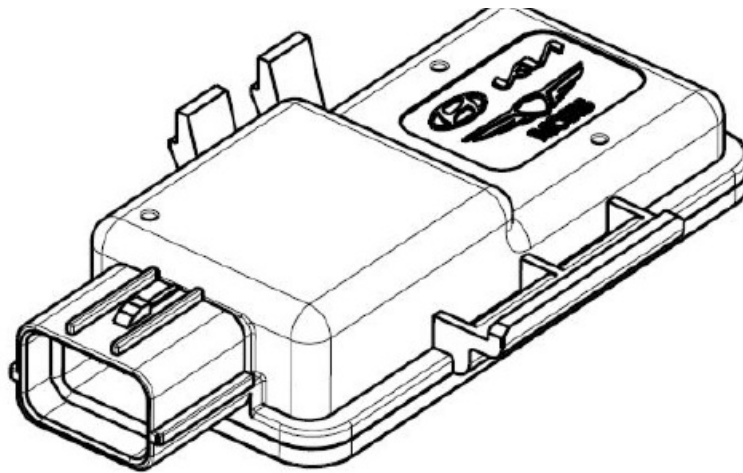
1. What are the recommended operating temperatures for the UWB Module?

The UWB Module has an operating temperature range of -40°C to 95°C.

How should I handle FCC warnings related to the device?

Follow the FCC guidelines provided in the manual, including antenna reorientation, equipment separation, and seeking professional help if needed.

Product Overview/UWB Module

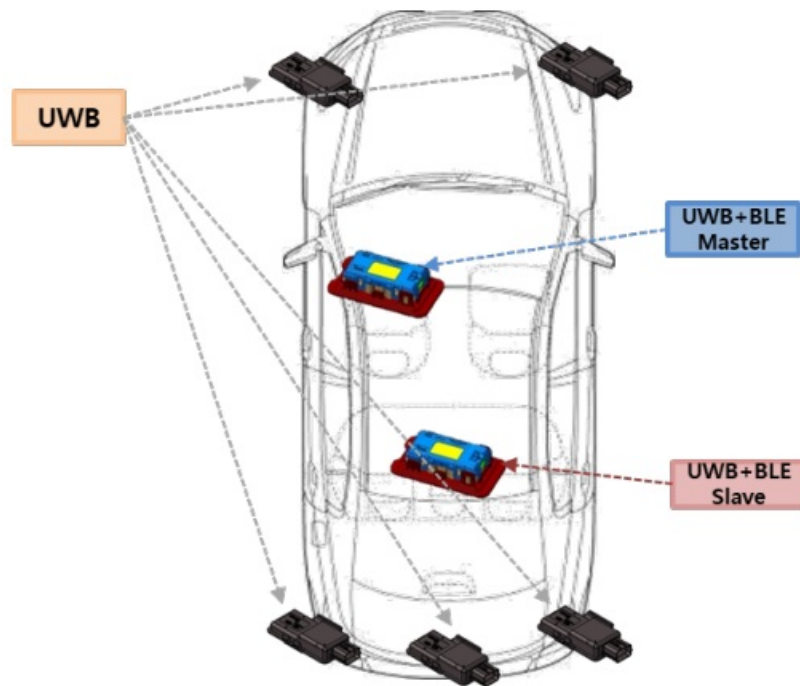


HOW TO OPERATE

It is installed in the designated location of the vehicle and operates according to the designated CAN command.

PRODUCT INSTALLATION LOCATION

Bumper, Head lining, Trunk etc.



SPECIFICATION

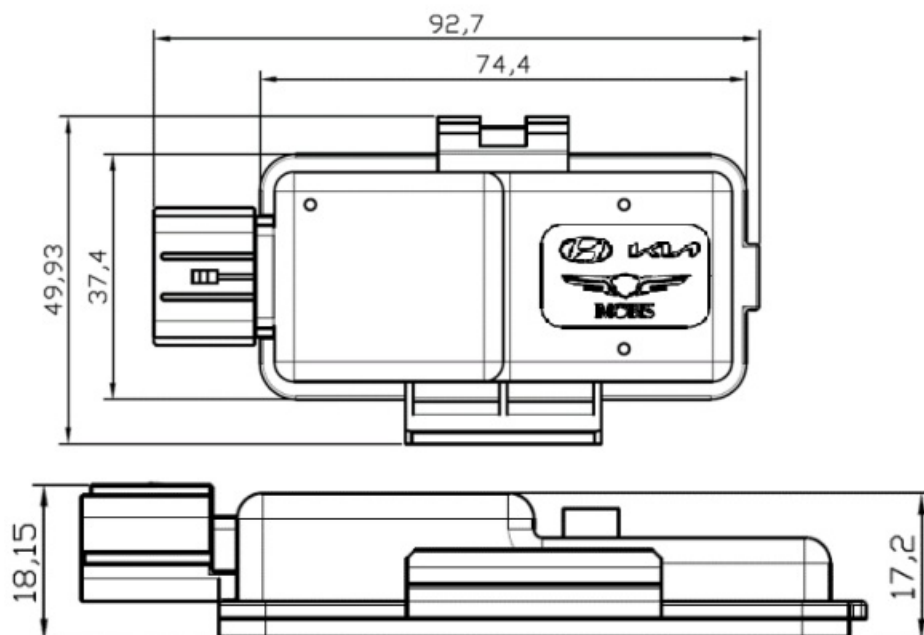
- Standards

UWB(Ultra Wide Band)

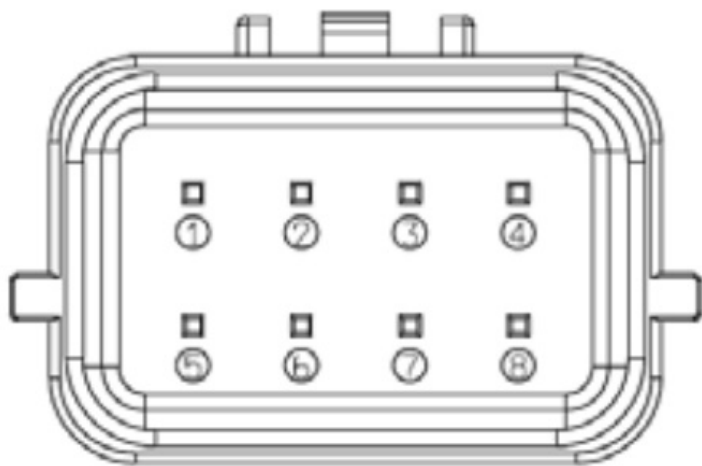
- CCC Digital Key Phase3 Specification
- IEEE 802.15.4-2015
- IEEE 802.15.4z

- UWB Ranging Distance Max. 10m(LOS/Line of Sight conditions, between Devices)
- Power voltage 12V
- Dimension(mm) 92.70 x 49.93 x 18.15

Dimension



PIN MAP



No.	PIN NAME
1	CAN_L
2	CAN_H
3	SUB_ID2
4	SUB_ID1
5	GND
6	GND
7	SUB_ID0
8	B+_POWER

Electrical Characteristic

	Min	Typ.	Max	UNTI
Supply Voltage	9	12	16	V
Operating Temperature	-40	—	95	°C
Storage Temperature	-40	—	95	°C

Product Specification

Name of company	AMONSENSE CO.,LTD.
Equipment / Model Name	UNIT ASSY-ULTRA WIDEBAND / ASUWBM11
Identification Code	Amo
Year of manufacture	Separate mark
Manufacturer / Country	AMONSENSE CO.,LTD. / KOREA AMO VINA CO.,LTD. / Vietnam
Operation Frequency	CH.5: 6.4896GHz CH.9: 7.9872GHz
Max POWER(E.I.R.P) (Mean Power Density)	CH.5: -42.39dBm/MHz CH.9: -42.32dBm/MHz

Max Power(E.I.R.P) is EU measured power.

FCC

FCC Warning

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: 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 the 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device should be installed and operated with a minimum 20 cm between the radiator and your body.

IC Warning

This device contains a license-exempt transmitter(s)/receiver that complies with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:(1) This device may not cause interference.(2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment should be installed and operated with a minimum 20 cm between the radiator and your body.

Trade Name : HYUNDAI MOBIS Co., Ltd.



Documents / Resources

<div><div><div>• AMOSENSE ASUWBM11 UWB Module</div><div>The image shows the AMOSENSE ASUWBM11 UWB Module, which is a small, rectangular electronic component with a gold-colored surface and a black label. It is shown from a top-down perspective.</div></div><div><div>• AMOSENSE ASUWBM11 UWB Module</div><div>It is included in the integrated feature of the vehicle and system according to the customer's request.</div><div>• AMOSENSE ASUWBM11 UWB Module</div><div>It is included in the integrated feature of the vehicle and system according to the customer's request.</div></div></div>	<div><div>AMOSENSE ASUWBM11 UWB Module [pdf] User Guide</div><div>ASUWBM11 UWB Module, ASUWBM11, UWB Module, Module</div></div>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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