



EMS Specifications

2023. 01. 07

Division		Position		Name	
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Subject

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1. Product Specifications

Contents	Specifications
Product Name	Decker EQ
Model Name	DK-Q 100
Size	W(126mm) X D(128mm) X H(39mm)
Weight	350g
Water Proof	IP67
Operating Temperature	-40 ~ 85 °C
Communication	LoRa : 902~928MHz GPS : 1575.42MHz±1.023MHz
Connector	M8 Circular Connector : Power Supply Port, I.O Port SMA Connector : GPS Antenna, LoRa Antenna
Input Power	DC 9 ~ 36V

2. Product

[Terminal]



[GPS Antenna]



[LoRa Antenna]

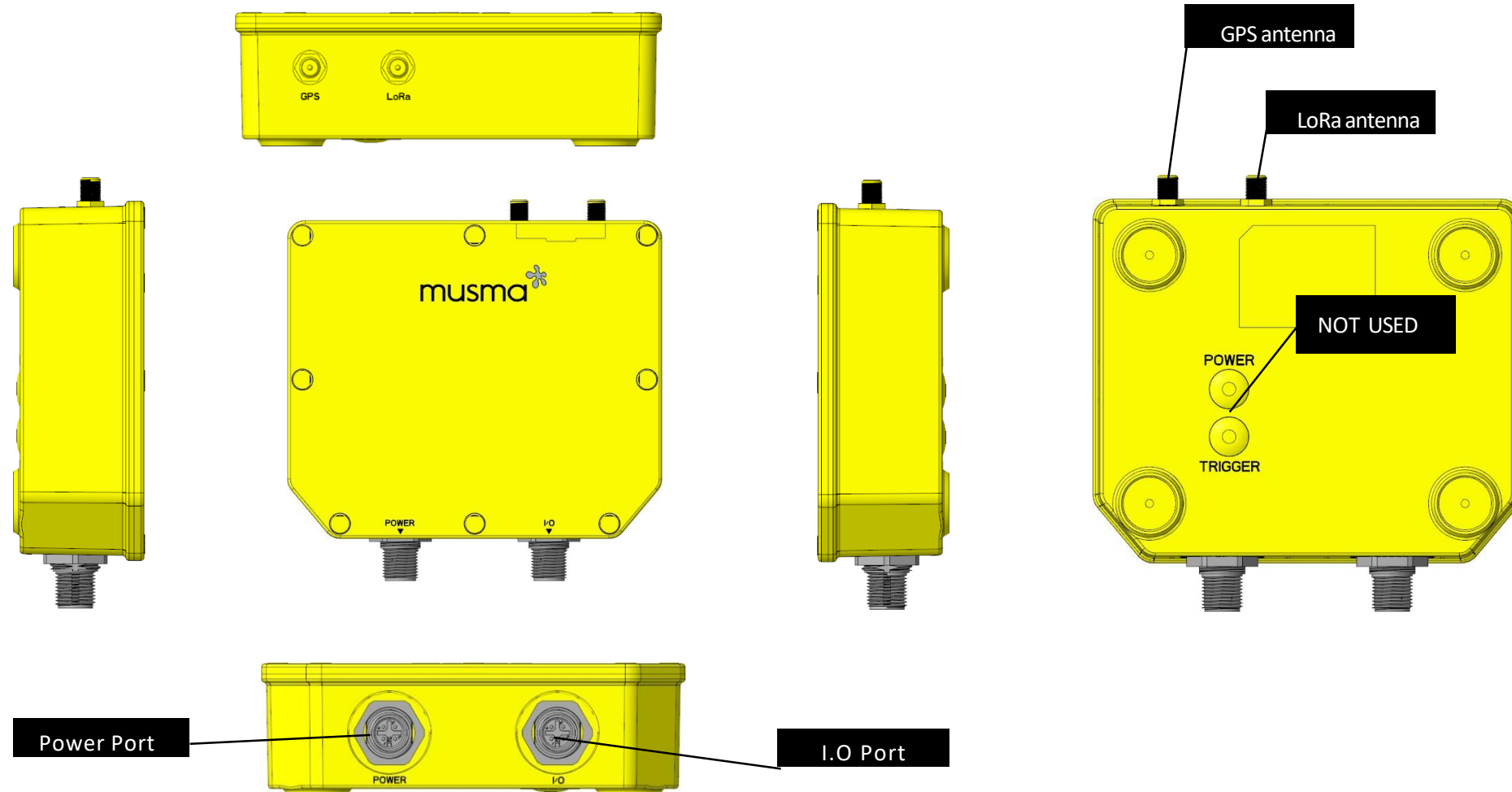


[Power Cable]



- This device will not be sold to the general public and online sales, it will be sold to dealers for vehicle use only with specific contract.
- This device requires controlled installation location by professional installers and supporting by the manufacturer technical expert.
- The device requires professional configuration for use.
- There is no any case that user can control to adjust RF parameters (Output power).

3. Product Mechanical Drawing



FCC Statement

FCC Part 15.19 Statements:	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.
FCC Part 15.105 statement(Class A)	This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
FCC Part 15.21 statement	Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device must not be co-located or operating in conjunction with any other antenna or transmitter.
RF Exposure Statement (MPE)	The antenna(s) must be installed such that a minimum separation distance of at least 20 cm is maintained between the radiator (antenna) and all persons at all times.
Professional installation	<p>This device is professional installation so it does not permit use of the antennas other than specific antennas listed below.</p> <ul style="list-style-type: none">- LoRa Antenna type: Dipole Patch Antenna- Model name: MU-DECKER-ANT- Peak antenna gain: 2 dBi



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