

# UC510 Series LoRa Controller



UC510 series LoRaWAN<sup>®</sup> wireless controller is a device used for open/close status control with DC latching solenoids. It contains 2 solenoid interfaces and 1 pulse interface, which simplify the deployment and replacement of LoRaWAN networks.

UC510 series can be easily and quickly configured by NFC or wired USB port. For outdoor applications, it provides solar or built-in battery power supply, equips with IP67-rated enclosure and M12 connectors to protect from water and dust under harsh environments.

## ◆ Features

- Compatible with standard DC latching solenoids
- Transmission distance up to 11km with line of sight
- Waterproof design including IP67 case and M12 connectors
- Solar powered and built-in battery optional
- Quick wireless configuration via NFC
- Data visualization and remote management via Milesight IoT Cloud

## ◆ Specifications

<b>Wireless Transmission</b>	
Technology	LoRaWAN®
Frequency	CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923
Tx Power	16dBm(868)/20dBm(915)/19dBm(470)
Sensitivity	-147dBm @300bps
Mode	OTAA/ABP Class A
<b>Data Interfaces</b>	
Interface Type	M12 A-Coded Male
<b>Solenoid Interface</b>	
Ports	2 × Solenoid Interfaces
Solenoid Support	2 wires 12V DC latching solenoids
Cable Length	1.5m (by default)
<b>Pulse Interface</b>	
Ports	1 × Pulse Interface, support 2 pulse meters
Logical Level	Low: 0~0.9V, High: 2.5~3.3V
Cable Length	1.5m (by default)
<b>Operation</b>	
Power On & Off	NFC, power button (Internal)
Configuration	Mobile APP(via NFC) or PC software(via USB Type-C)
<b>Physical Characteristics</b>	
Operating Temperature	-20°C to +60°C
Ingress Protection	IP67
Dimension	120.1 × 120.1 × 55.4 mm (4.73 × 4.73 × 2.18 in)
Power Connector	M12 A-Coded Male
Power Supply	1. Solar powered + 2*2550mAh rechargeable battery + 5-24 VDC supply 2. 19000mAh replaceable Li-SOCL <sub>2</sub> battery + 5-24 VDC supply
Installation	Wall or Pole Mounting

## ◆ Ordering Information

Model	Power Supply
UC511	Solar powered with 2*2550mAh chargeable battery and 5-24 VDC
UC512	19000mAh replaceable Li-SoCl <sub>2</sub> battery and 5-24 VDC

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