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ERM TagLINK Combo Combines Both Bridge and Gateway

Product Information

Specifications

- Near 360 Degrees Energizing Capabilities
- 12/24V Input Power / USB-C
- 4G cellular communication / WiFi
- Output Logic Programming (OLP) for complex output signal generation
- Global cellular module (4G/3G/2G)
- Vehicle battery diagnostics: charge, voltage, and battery life (SoH)
- Embedded antennas
- Immobilization system
- Equipped with a Wi-Fi Client capable of connecting to an external Wi-Fi hotspot
- Dedicated single wire com port for Add-Ons and Accessories

Product Usage Instructions

1. Connect the device to a power source using the provided 12/24V input or USB-C cable.
2. Ensure proper cellular network coverage for optimal communication.
3. Configure the device settings for output logic programming as needed for signal generation.
4. Utilize the vehicle battery diagnostics feature to monitor charge, voltage, and battery life.
5. Activate the immobilization system when necessary for security purposes.

6. Connect to a Wi-Fi hotspot using the Wi-Fi Client feature for additional connectivity options.
7. Use the dedicated single wire com port for adding on accessories or additional functionalities.

PRODUCT DESCRIPTION

Harnessing the Power of Proximity: Effortless Data Collection

TagLINK Combo combines both Bridge and Gateway functions in one compact solution for Wiliot® Pixel applications offering all in one.

Using advanced RF technology and Bluetooth® Low Energy (BLE), it activates Wiliot® Pixels and transmits their data directly to the cloud via cellular or Wi-Fi, ensuring real-time visibility.

The TagLINK Combo can run on external power or internal batteries and offers versatile mounting options—Cargo safety belt, wall, ceiling, or table stand—for easy deployment in various environments.

FEATURE

1. Near 360 Degrees Energizing Capabilities
2. 12/24V Input Power / USB-C
3. 4G cellular communication / WiFi
4. Designed for Both Automotive and InDoor Use
5. Works With Wiliot© Pixels
6. Internal 5/15 Amp battery for mobile operation

CONNECTING

Global cellular module (4G/3G/2G)

The device can be equipped with a Wi-Fi Client capable of connecting to an external Wi-Fi hotspot.

The device features a Bluetooth® Low Energy communication module, enabling data transmission between the device and Wiliot Pixel Tags and any additional Gateway.

TECHNICAL SPECIFICATIONS

Communication	- Bluetooth© 2.4 Ghz / Omni directional antennas - RF 868MHz / 915MHz / Omni directional antennas - LTE CAT-1/ 3G/ 2G (Global)/ Optimized embedded antenna - WiFi - 2.4GHz 802.11 b/g/n / Optimized embedded antenna
Location	GPS/GLONASS/GALILEO, Active antenna, Sensitivity -165 dB, NMEA0193, Acquisition (normal): cold <34s, warm <34s, hot <1s, accuracy: 2.5m CEP Embedded optimized antenna
Connectors	4-pin Molex, USB Type C
Transmission Gain	- Up to +36 (EU) / +33 (NA) dBm 900 MHz band energizing signal - Up to +20 dBm 2.4 GHz band energizing signal
Power Supply	9-32VDC, 5V USB, 3A
Configuration / Firmware Update	OTA via Wiliot Platform
Dedicated Ports	Ignition On/Off, ERM eNET Port
Backup Battery	Slim Case: Accommodates a single 5Ah rechargeable Li-ion battery with a charging time of up to 20 hours. Thick Case: Supports two or three 5.3Ah rechargeable 3.6V Li-ion batteries, offering extended operation.
Certifications	CE, FCC, E-Mark

ENVIRONMENT

Operating Temperature	-40 to 75° C
Storage Temperature	-45 to 85° C
Dimensions	10cm x 14.6cm x 3.5cm
Weight (NET)	400g
Durability	IP67 Vibration Resistance

Max. Relative Humidity	90(±2)%

FCC warning statements

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement 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.

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FAQs

How do I know if the device is properly connected to the cellular network?

Check the device status indicators for network signal strength and communication status.

Can I use the device with a vehicle that has different protocols such as OBD2 or CANBUS?

Yes, the device supports various protocols including OBD2, CANBUS, J1908, and J1708 for compatibility with different vehicles.

Is it possible to customize the output signals generated by the device?

Yes, you can program complex output signals using the Output Logic Programming feature for customization.

Documents / Resources

	ERM TagLINK Combo Combines Both Bridge and Gateway [pdf] Owner's Manual 2AXZU-TAGLINK, 2AXZUTAGLINK, TagLINK Combo Combines Both Bridge and Gateway, TagLINK Combo, Combines Both Bridge and Gateway, Both Bridge and Gateway, Bridge and Gateway, Gateway

References

- User Manual

ERM

2AXZU-TAGLINK, 2AXZUTAGLINK, Both Bridge and Gateway, Bridge and Gateway, Combines Both Bridge and Gateway, ERM, gateway, TagLINK Combo, TagLINK Combo Combines Both Bridge and Gateway

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