



## Product Data Sheet

# Defender Link™ Gateway

LoRaWAN gateway with Ethernet / Wi-Fi backhaul

### Designed for large and small critical deployments

The Defender Link™ gateway serves as the central communication hub of your IoT ecosystem, providing always-on connectivity to safeguard your property, systems, and equipment. With real-time monitoring and instant response capabilities, you can protect what matters most.

Engineered for robust indoor wireless coverage and outstanding radio performance, the Defender Link gateway offers seamless support for both Ethernet and Wi-Fi backhaul. Its versatile design makes it an ideal solution for a wide range of environments from habitational and light industrial to large commercial spaces.

#### Key features:

- Indoor LoRaWAN gateway
- Supports NA915 (902-928MHz) ISM Band
- Ethernet or Wi-Fi backhaul
- External LoRa Antenna
- Operational Status LED
- 27 dBm Tx Power



### meshify defender®

Meshify's next generation LoRaWAN solutions support a variety of property and equipment monitoring applications with long range and deep indoor coverage.



### meshify protect™

Proprietary mobile app for activating Meshify's sensors and gateways, managing real-time alerts, and monitoring location status. Available for iOS and Android.

#### For more information, contact:

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# Technical and functional system specifications

Mechanical	Dimensions	6.3" x 3.5" x 1.4" (160 x 90 x 35mm)
	Weight	5.75 oz (163 g)
	Case Material	PC-ABS
	Operating Temperature	-4°F to 131°F (-20°C to +55C)
	Operating Humidity	5% to 95%
	IP Rating	IP30
	LED	3 LEDs
Physical Interface/Connections	Backhaul Connectivity	Ethernet or Wi-Fi
	Ethernet	RJ-45 (10/100 Base-T)
	Wi-Fi	2.4 GHz
	Lora Antenna	RP-SMA (LoRa swivel antenna)
	USB	USB (Type A) connector for configuration
Power Requirements	Power	100-240 AC; 12V / 0.5A Adapter
	Power Source	Wall outlet
LoRa Connectivity	ISM Bands	NA915 (902-928MHz)
	Tx Power	20 dBm to 27 dBm
	Rx Sensitivity	-141 dBm (SF12)
Certifications	Regulatory	FCC, CE, LoRa Alliance
	Environmental	RoHS compliant

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.

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications 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 the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.