



Guidance Document:

Meshify Defender Link Gateway

This document is meant to provide guidance for customers to connect Defender Link gateway to their internet - via Ethernet or Wi-Fi.

Important considerations:

- **Configuration may be necessary:**
 - **Connect via Ethernet whenever possible:** We recommend connecting the gateway via Ethernet as the primary option whenever possible.
 - **Configuration may be required:** Depending on the setup of system (router) and internet service, configuration may be required. This may require your IT person getting involved to ensure proper configuration and operation.
 - **Ports may need to be unblocked:** The Defender Link gateway requires an internet connection with certain ports to be available (unblocked) to operate properly.
 - **IP configuration must be set to DHCP:** In order to get a successful internet connection while using Ethernet, IP configuration must be set to DHCP. The gateway will not work on a static IP address.

- **Connecting the Link gateway to the router via Ethernet:**
 - An Ethernet cable is included in the gateway package. Should a longer Ethernet cable be needed, please utilize a Cat5e or higher, straight-through Ethernet cable.

- **Connecting the Link gateway to the router via Wi-Fi:**
 - The Link gateway connects with 2.4Ghz Wi-Fi access points only. It will not work with 5Ghz access points
 - Gateway will not work in environments utilizing captive portal Wi-Fi logins.

- **Data usage:**
 - The gateway connected via Ethernet or Wi-Fi will use data on the customer's network. The amount of data is dependent on the amount of sensors at that particular location.



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Required gateway back-end resources & information

The table below provides settings that may need to be changed or verified on the customer's network, and that are required for the gateway to function and communicate data properly.

FQDN (Fully Qualified Domain)	Protocol	Port
upgrade.wanesy.com	TCP/IP	443
gateway.warc.wanesy.com		
s3-us-west-2.amazonaws.com		
ipv4.connman.net		
kerlink-atun-prod.meshbot.co		
vault-prod.meshbot.co		
mgttrt.meshify.com	TCP/IP	8884
pool.ntp.org	UDP	123
kerlink-atun-prod.meshbot.co	TCP	22
<Provided by DHCP server>	UDP	53

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