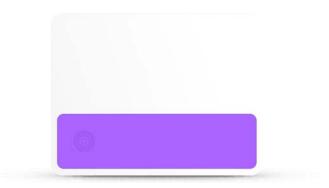


## **Element Access Point (Ethernet)**



The Helium Element is the bridge between Atoms and your cloud platform.

## **Product Details**

Atom devices connect to the nearest Element out of the box using Helium's wireless technology that allows devices to communicate long distances with little interference and requiring no device-level configuration. Each Element can support thousands of Atom devices. This means you may only need one Element to cover an entire office building, two for a manufacturing facility, or three for a multi-acre farm.

The Element connects to the Helium Routing Infrastructure over ethernet, allowing for zero-configuration deployment for various applications including fleet, agricultural, or manufacturing. Data is securely routed to any cloud platform of your choice. Ethernet-backed Helium Elements also supports power over ethernet port, so no additional power source is required.

## **Technical Specifications**

Networking Standards	IEEE 802.15.4
Typical operating range	4500 sq ft or several miles within line-of-sight
	802.15.4 IEEE Standard on dual-band radios
Wireless Connectivity	915MHz & 2.4GHz (US)
	868MHz & 2.4GHz (EU)
Security	Hardware-based encryption, authentication, and authorization
Power Options	Line powered with included AC adapter or power over ethernet
Environmental Range	Operating Temperature -40° to 185°F (-40° to 85°C)
	Width: 4.7" (119.4mm)
	Depth: 3.5" (88.9mm)
	Height: 1.1" (27.9mm)