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
Wireless Connectivity	802.15.4 IEEE Standard on dual-band radios 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)
Product Dimensions	Width: 4.7" (119.4mm) Depth: 3.5" (88.9mm) Height: 1.1" (27.9mm)