



EAGLE™ Ethernet Gateway

The **EAGLE™** Energy Access Gateway Link to Ethernet product is an Ethernet device that communicates directly with smart meters that have been equipped with ZigBee Smart Energy wireless capability. It functions as a gateway, providing smart meter data to the home Local Area Network (LAN) and the internet cloud.

Users are able to view their energy data via a web browser on their PC or smart phone by connecting directly to **EAGLE™**'s built-in web server. In addition, **EAGLE™** can also be configured to send data to popular online cloud services to get detailed analytics and access anywhere via the internet. **EAGLE™** has a simple RESTful Application Programming Interface (API), making it easy to connect it to most web server platforms.

Installation is as simple as plugging **EAGLE™** into any available Ethernet port on a router. The device can be pre-configured, and no ongoing device management is required. **EAGLE™** provides all the required gateway function in a convenient and inexpensive form factor.

- **ZigBee to Ethernet gateway**
- **Low cost**
- **Simple provisioning**
- **Secured with Elliptic Curve Cryptography (ECC)**

Specifications	
Software Requirements	Any web browser
Hardware Requirements	Router with an available Ethernet port
Wireless Link	IEEE 802.15.4 MAC, 2.4GHz ISM Band Receiver sensitivity: -99dBm, Transmit Power: +20dBm
Wireless Range	Up to 50m (150ft) (highly dependent on usage environment)
Ethernet Link	10/100Base-T, RJ-45 connector
Upgrade Path	Field upgradable firmware over-the-air via Smart Meter, or via Ethernet
Expansion	USB 2.0 port for future expansion (additional radio interfaces)
Standards	ZigBee Smart Energy Profile 1.1; HTTP/TCP/IPv4/Ethernet
Security	Preconfigured Link Key, Certicom Implicit Certificate Authentication
Provisioning	Factory/warehouse pre-pairing based on Installation Code, or user pairing through phone/web based automated activation.
Power	External AC adapter (included)
Operating Temperature	0°C to 50°C (indoor use only)
Storage Temperature	-10°C to 60°C
Dimensions	90mm x 95mm x 25mm
Weight	105g (not including AC Adaptor)
Warranty	One year

Ordering Info	
RFA-Z109	EAGLE™ Ethernet Gateway



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