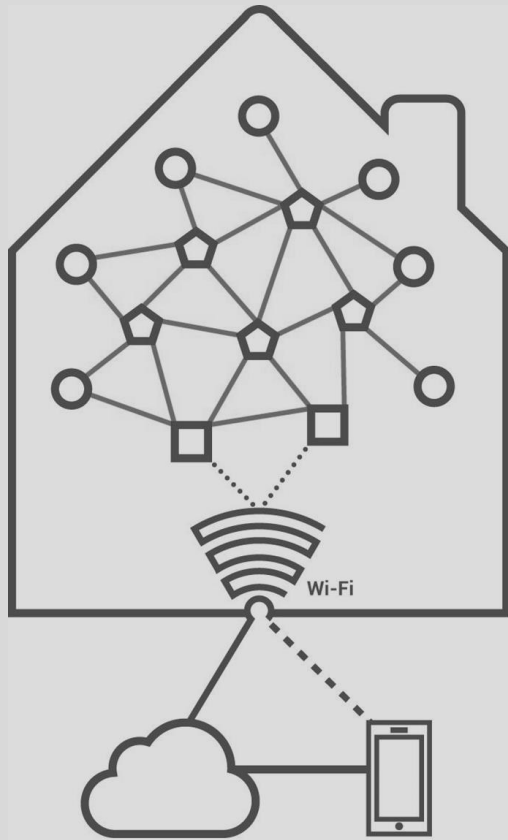




# ADDAX THREAD NETWORK

*add new tech to your business!*

## Thread characteristics and benefits

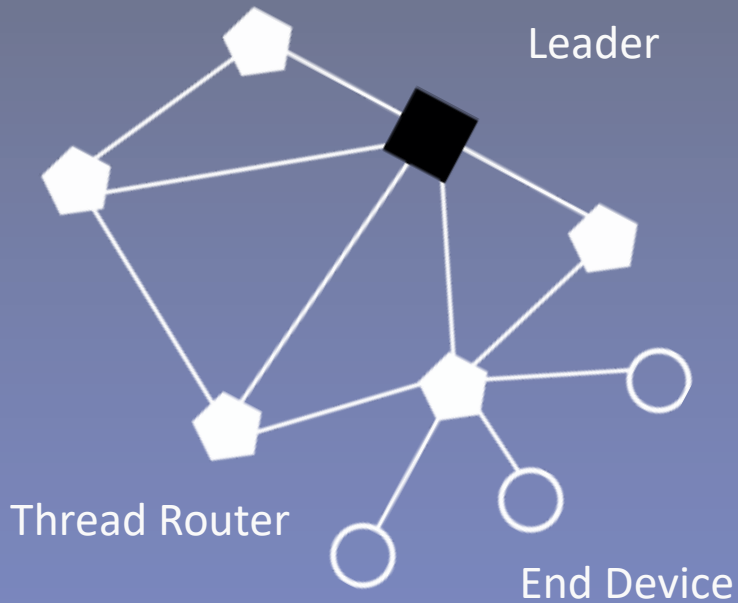


- **Open standard based design:** Thread uses open IPv6 protocol for reliable, cost-effective, low-power, secure, wireless communication.
- **Simple commissioning:** Seamless network devices installation, start up and operation allows dynamical optimization and healing.
- **Secure:** Only authorized devices can join the Thread network. All network communications are encrypted and secured.
- **No single point of failure:** Thread Network is auto-configuring and self-healing that provides secure and reliable communication even in case of any device failure.
- **Small and large networks:** The network can vary from several devices to hundreds of devices communicating seamlessly. Supports a wide variety of products based on IPv6. Multiple applications can share the same network.
- **Power efficient:** Devices can operate for years on small batteries.

# Thread network components

Thread devices can function in the following roles:

- Leader
  - Thread Router
  - End Device
- 
- Leader
    - ✓ Makes network decision
    - ✓ Manages network parameters
    - ✓ Only one Leader per network
  - Thread Router
    - ✓ Enables device-to-device communication
    - ✓ Forms network topology
    - ✓ Eligible to become the Leader if communication module is available
    - ✓ Up to 32 Thread Routers per network
  - End Device
    - ✓ Low power operation in normal or sleep mode
    - ✓ Eligible to become the Thread Router





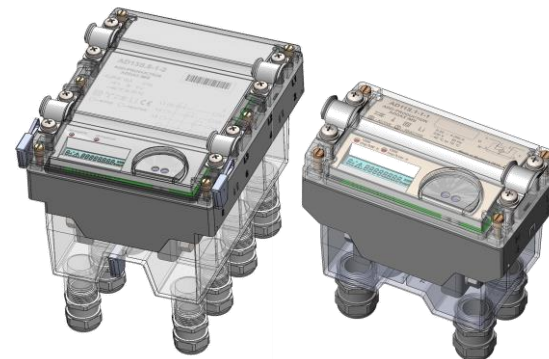
- ADDAX Leader
  - ✓ Modular meter with communication module

## ADDAX Thread devices

ADDAX Thread Solution is based on ADDAX technology platform.

ADDAX Thread devices are smart meters for indoor and outdoor operation.

- Thread Router and End Device
  - ✓ Modular meter without communication module
  - ✓ Advanced ADDAX meter
  - ✓ Split meter



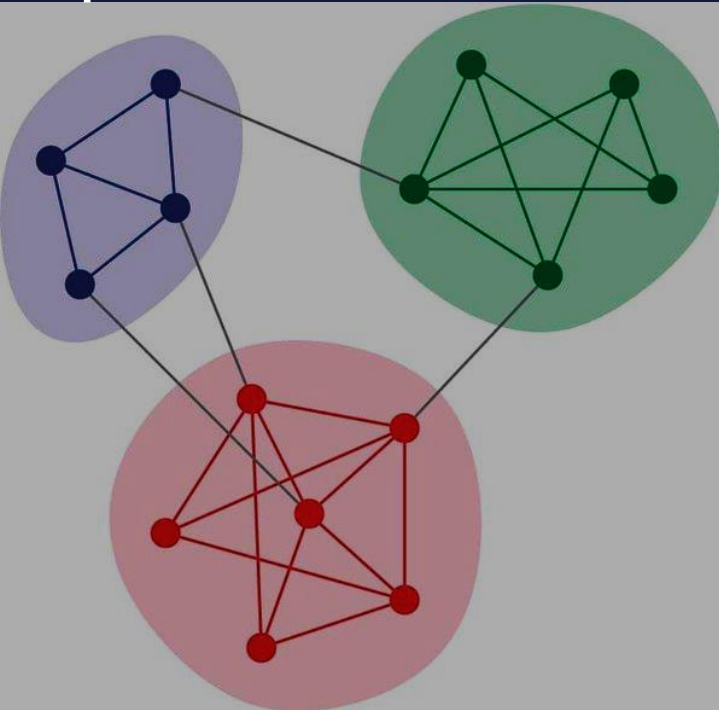


## ADDAX meter key features

- Plug-and-play device
- Auto-registered within the network
- High security implementation
- Real time alarms, tamper detection
- Standard data model, open protocols
- High accuracy measurement
- Load control by disconnecting relay
- Different design – modular, classic, split

Covers a broad range of communication technologies :

- PLC +RF Hybrid solution
- Operation on the 2.4 GHz band and on Sub-GHz frequency range (868/915 MHz bands)





The ADDAX Thread network is automatically reconfigured if a Leader is failed

## Thread network reconfiguring

