

Now includes AOS10

Instant Smart Buildings just add EnOcean and **MobiusFlow** to your Aruba Wi-Fi Access Points.



A flexible and scalable solution using EnOcean sensors and control devices connected to the cloud via Aruba access points. Reduce maintenance issues, improve service quality, increase building efficiencies and workplace productivity.



Enabling the true value of digital connectivity



MobiusFlow® is a registered trademark and a trading name for Infrastructure Software Solutions Ltd. All other brand names, product names, or trademarks belong to their respective owners.



+ EnOcean +



Utilising new and existing Aruba Wi-Fi Access Points to make your building smart.

Easily connect EnOcean self-powered sensors, switches and controllers to new and existing Aruba Access Points.

Utilising the power of MobiusFlow to curate the EnOcean data and push it to third party analysis and system control solutions, allows actionable insights such as automated responses to water leak detection, monitor people flow and maintain air quality.

MobiusFlow is a scalable and affordable Internet of Things based solution, developed by engineers with first-hand experience in project management and installation and has been successfully used in many projects.

The easily deployable software platform provides commissioning, control, and connection of EnOcean devices, to send and receive curated data to and from the cloud, and local services via an Aruba Access Point, such as MobiusFlow View and third-party analytics, visualisation, dashboards and automated control systems.

Benefits of using MobiusFlow

Extensive Protocol Coverage: Well over 100 EnOcean Device EEPs supported.

Flexible Connectivity: Support for Aruba APs and other EnOcean telegram options, including our connectors and Pressac gateways.

Deployment Options: Run seamlessly in the cloud or on-premises to suit your needs.

Built-in Historian & Dashboarding: Add sensors and create a full dashboard with history in just a few clicks.

Third-Party Data Sharing:

- Make your data available via REST, MQTT, custom APIs, Modbus, Azure, databases, and more.
- Customize topics and payloads for MQTT and other integrations.

Multi-Protocol Support: Combine many protocols alongside EnOcean, all within the same platform such as LoRaWAN, MQTT, BACnet plus many more.



Eco-System of Self-Powered Wireless Sensors, Switches & Controllers

A typical set up can incorporate door / window sensors, people counters, vibration monitoring, energy consumption, light levels, air quality, lighting control and many more devices.

EnOcean Radio Protocol

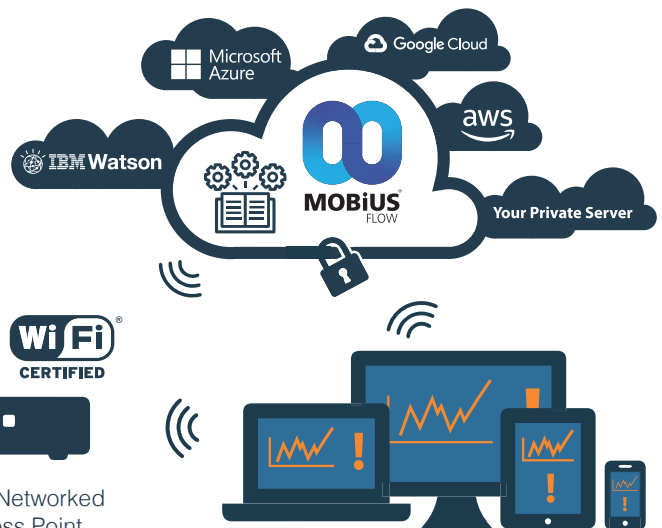


Plug-in USB Wireless Transceiver

+



Aruba Networked Access Point



Watch our overview video



Alongside many other protocols, MobiusFlow brings together a broad spectrum of EnOcean Equipment Profiles (EEPs) for smooth communication and automation between EnOcean and other monitoring, sensing and control devices via the MobiusFlow middleware solution.

These EEPs detail communication protocols for energy-harvesting wireless devices, enhancing MobiusFlow's offerings in smart buildings, industrial automation, and beyond. Here, we give an overview of wide range of EnOcean EEPs (100+) available in MobiusFlow's library.

Switches and Rocker Profiles (F6-XX-XX)

- F6-02-XX: Standardized rocker switch functionality, perfect for wireless and battery-free light switches.
- F6-01-01: Classic single rocker switch for versatile applications.
- F6-05-01 & F6-05-02: Advanced switches supporting multi-rocker configurations.
- F6-04-01: Specialised profile for unique switch requirements.

Temperature and Humidity Sensors (A5-XX-XX)

- A5-02-01 to A5-02-20: Comprehensive profiles for temperature and humidity sensing across varied ranges and resolutions.
- A5-04-01 to A5-04-03: Focused on precise temperature monitoring for HVAC and building automation.
- A5-06-02: Compact profile for humidity measurement.
- A5-07-01 to A5-07-03: Temperature and humidity combined for indoor climate monitoring.
- A5-08-01 & A5-08-08: Advanced temperature sensors for outdoor and industrial use.

Light and Occupancy Sensors

- A5-09-04 & A5-09-02: Profiles for daylight harvesting and light level monitoring.
- A5-10-03, A5-10-06, A5-10-12, A5-10-19: Advanced occupancy and motion detection sensors.
- A5-11-01 & A5-11-02: Multi-functional sensors for light, motion, and temperature.

Energy and Utility Monitoring

- A5-12-01 to A5-12-03: Profiles tailored for energy consumption and utility monitoring.
- A5-14-58 & A5-14-05: Energy efficiency sensors for load and power monitoring.
- A5-20-01: Compact profile for energy harvesting applications.

People Counting and Building Analytics

- IMBUILDINGS PEOPLE COUNTER: A specialised profile for tracking occupancy and people flow in smart buildings.
- D1-03-C1, D1-03-C2, D1-03-C0: Advanced profiles for presence detection and people counting.

Advanced Actuator and HVAC Controls

- D2-32-00 to D2-32-02: Actuator profiles for heating, ventilation, and air conditioning systems.
- D2-14-5C, D2-14-40 to D2-14-53: Comprehensive profiles for valve and motorised actuator control.
- D2-03-OA: Specialised actuator profile for unique applications.

Miscellaneous Profiles

- D2-05-00: General-purpose profile for binary data transmission.
- D2-01-0A to D2-01-12: Profiles for advanced control systems.
- D2-15-00: Versatile profile for industrial applications.

Specialised Devices

- ECHOFLEX MOS MT: Tailored profile for motion sensing in smart building environments.

Looking for long range wireless devices?

MobiusFlow can also handle a host of other protocols such as LoRaWAN, MQTT and BACnet to enable system integrators and solution providers to choose the best products for the job, mix and match, land and expand.