10. Glossary

Ambilight – Integrated RGB LED ring used for status indication and visual effects.

Apps – Modular software packages (e.g., Zigbee2MQTT, Node-RED) that can be installed/uninstalled independently on SMHUB.

BLE (Bluetooth Low Energy) – Energy-efficient version of Bluetooth for sensors, tags, and small IoT devices.

DDNS (Dynamic DNS) – A service that maps a dynamic IP to a permanent domain name for remote access.

Matter – A connectivity standard that allows devices from different ecosystems (Google, Apple, Amazon, SmartThings) to interoperate.

Matterbridge – An application that bridges Zigbee/Thread devices to the Matter ecosystem.

MQTT (Message Queuing Telemetry Transport) – A lightweight messaging protocol used for IoT communications. SMHUB includes a built-in **Mosquitto MQTT broker**.

Node-RED – A flow-based programming tool for IoT automation, preinstalled on SMHUB.

OTBR (OpenThread Border Router) – Service that connects Thread devices to IP networks.

PoE (Power over Ethernet) – A method of delivering power and data over the same Ethernet cable.

UPS (Uninterruptible Power Supply) – Add-on module with 18650 cells providing backup power during outages.

WireGuard – A modern VPN protocol, preinstalled on SMHUB for secure remote access.

Zigbee2MQTT (Z2M) – Application that connects Zigbee devices to MQTT brokers, enabling integration with multiple smart home platforms.

Z-Wave JS – An open-source software stack for managing Z-Wave devices.

Revision #1
Created 2025-09-08 17:06:28 UTC by Support3
Updated 2025-09-08 17:06:43 UTC by Support3