OPENMTC RELEASE 4

Fraunhofer FOKUS

ENABLING THE DEVELOPMENT AND DEPLOYMENT OF INNOVATIVE MACHINE-TO-MACHINE (M2M) AND INTERNET OF THINGS (IOT) SOLUTIONS

OPENMTC REL. 4 – MACHINE-TYPE COMMUNICATION

OpenMTC has been designed to foster the execution of applied research activities and prototype development of M2M and IoT solutions. OpenMTC features are aligned with the M2M-related standards such as oneM2M, ETSI, OMA and 3GPP. OpenMTC can be used for interoperability testing and early prototyping of M2M/IoT services. It provides horizontal convergence layers supporting multiple vertical application domains, such as smart building, smart grid, transport and logistics, automotive, robotics and e-health to interact with field domain devices equipped with sensors and actuators. OpenMTC provides a comprehensive M2M solution including front-end gateways and a backend platform for data aggregation and processing and supporting different transport protocols, such as HTTP, CoAP, MQTT, WebSocket and Diameter. Many research institutions, universities, applications developers, manufacturers and operators use OpenMTC for their applied R&D projects.

M2M/IoT Applications

| Monitoring App | Control App | Analytics App |

OpenMTC SDK

| Network API | Device API | Data API |

Back-end platform

| Connectivity Management | Data Management | Device Management |

Fixed and Wireless Access

| E-Health Gateway | Smart Building Gateway | Enviromental Gateway |

Sensors and Actuators

aha | 1410 (Photo: Nikada/iStockphoto.com)