

## Light OM2M: an efficient and oneM2M-compatible middleware for interoperable IoT applications

oneM2M is an IoT standard which helps build interoperable IoT solutions. This requires that oneM2M-compatible software runs on various layers of the system. However today's implementations are not optimized to run efficiently on resource-constrained devices, such as a low-cost gateway.

### DESCRIPTION\*

Light-OM2M is an implementation which lets you benefit from oneM2M standard services on resource-constrained devices.

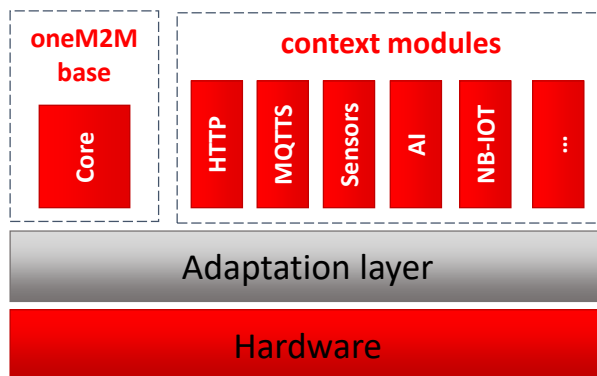
It builds upon years of experience and feedbacks acquired by the project manager and development team of Eclipse-OM2M, the oneM2M reference open-source implementation.

#### Supported oneM2M services:

- Resources: ACP(1), AE(2), CNT(3), CIN(4), CSB(5), CSR(16), SUB(24)
- Operations: CREATE, RETRIEVE, DELETE, SUBSCRIBE, DISCOVER

#### Features:

- Communication protocols (HTTP & MQTT)
- Security: access rights management
- Subscriptions management
- Discovery (filter criteria: level, resource type, labels, limit)



### TECHNICAL SPECIFICATIONS

Language	C++
OS	Arduino (ESP8266) / Unix based systems
RAM footprint	~60KB RAM (ESP) / ~3MB RAM (Unix)
Binaries footprint	~500KB ROM (ESP) / ~5 MB (Unix)

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### COMPETITIVE ADVANTAGES

- Facilitate oneM2M deployments
- Light footprint and memory usage
- Adapted to edge deployment

### APPLICATIONS

- Smart City/Factory/Building
- oneM2M-compliant solutions

### INTELLECTUAL PROPERTY

- Software

### DEVELOPMENT STAGE

- Technology validated at Lab level



### LABORATORY



### CONTACT

T. +33 (0)5 62 25 50 60  
 numerique@toulouse-tech-transfer.com  
 www.toulouse-tech-transfer.com