# MQTT



The MQTT package contains classes and objects with which communications can be established via the MQTT protocol. Several settings can be defined and and additional functions thereby used.

The MQTT protocol is designed as a transmission medium for the communication between machines and is as the name suggests, provided for telemetry communication. The protocol operates on a Publish & Subscribe basis.

## SYSTEM REQUIREMENTS

| Performance Index | A | B | C | D | E |
|---|---|---|---|---|---|

### Visualization Memory Requirements

| | |
|---|---|
| Code Size [KB] | 539 |
| User Heap [KB] | 522 |
| LSE Project Size [KB] | 0 |
| SRAM [bytes] | 1260 |

## COMPONENTS

### Library MQTT
- Contains all classes of the package for importing or updating existing applications

### Application Demo
- Example implementation of an MQTT in LASAL

### Documentation
- All class documentation, as well as user and program manual where required

### External Software
- Installer for mosquitto MQTT client / broker

## FEATURES

- Settable QoS
- Settable retained messages
- "Will" can be set
- Persistent sessions possible

## SOFTWARE VERSIONS

| Design environment | LASAL CLASS 2, LASAL SCREEN |
|---|---|
| Operating system | RTOS, Salamander |