

MQTT Connector 2

PRODUCT DATASHEET

INTRODUCTION

MQTT connector is URCap plugin for Universal Robots that enables MQTT communication protocol capability.

This plugin supports publish and subscribe messaging transport, including QOS guarantees.

The new version MQTT Connector 2 brings following advantages:

- A new installation GUI for managing broker connections, communication variables and diagnostic data
- New program nodes for using communication variables easily
- Robot diagnostics data can be now published without a programming knowledge
- Multi-language support
- TLS 1.2 client certificate support
- Backward compatibility with MQTT Connector Professional 1.x URPs

IMPLEMENTATION WITH UNIVERSAL ROBOTS

This product is directly intended for universal robots platform. The user now don't need to study specific script functions, all basic functions are now supported in the URCap graphical user interface.

FEATURES AND BENEFITS

- Easy to install, implement and deploy
- Easy to use - new Installation GUI and program nodes
- Well known and industry proven MQTT messaging protocol
- Publish/subscribe pattern
- Freedom to choose broker platform – on-site or cloud provided - now more cloud platforms supported
- QOS message delivery guarantee
- Low network bandwidth required
- Encryption support, login/password authentication, client certificate authentication
- Publish on robot program stop and last will support
- Utilizes UR script function calls as URCap interface for backward compatibility
- Per robot license

EXAMPLES OF USER APPLICATION

Please find product attachments with examples of Installation files and user programs using the MQTT Connector 2 at <http://www.4each.cz>. These resources really makes the first use of the product very easy.

HOW TO GET AND INSTALL THE PRODUCT?

Make an order at software vendor website. After complete order process, your specific URCap will be generated, and download link send to you. Transfer the downloaded URCap to robot via USB flash drive connected to teach pendant. URCap is bound to serial number, and will not work on another Universal Robot.