



Software_KUKA.DeviceConnector



KUKA.DeviceConnector (KDC) is a software package which provides robot data for KUKA digital products and services or any customer application – cloud or on-premises. It provides access to the data via OPC UA or MQTT.



Cost effective

Running cloud services without additional hardware



High security level

Built-in security, based on same standards as online banking (TLS 1.2) Point-to-Point encryption (P2PE)



One software for OPC UA and MQTT

The KDC enables access to robot data via the two major protocols OPC UA or MQTT



Data access for customer applications

Creation of context-based database for further use cases. Cloud or on-premises



Reduced data traffic

Data traffic can be reduced by a minimum due to customized configuration for your specific use cases

Software_KUKA.DeviceConnector

The KUKA.DeviceConnector allows access to thousands of robot data points, files and messages to match exactly your specific use cases:

Asset Management
Robot information / installed TechPackages / HW & firmware version and many more
Communication
I/Os and AUT_EXT signals
File Transfer
Events and alarms / KRL – user programs / diagnosis / troubleshooting
Messaging & Alarming
All messages & event logs
Condition Monitoring
Robot & controller run time / load data / dynamic data like axis position and speed
KRL – user programs
Diagnose – detailed logging
Safety
Brake test information / mastering reference / safety stop / relevant information of the safety interface / safety checksum



KDC Digital Service Consulting

The KUKA.DeviceConnector enables access to robot data to realize your use cases. But what robot data are necessary? What is the optimal sampling rate for each data point in order to get the maximum out of your data and to avoid unnecessary data traffic? Our KUKA experts in robotics and IIoT will help you to answer all of these questions and to create your desired configuration.

Scope

- On-site workshop
- Identification of the necessary robot data on the basis of customer use cases
- In-depth analysis of the feasibility of the required use cases on the basis of the appropriate robot data
- Documentation of the necessary KUKA.DeviceConnector configuration
- Creation and provision of a KUKA.DeviceConnector configuration for up to three robot serial numbers with a test duration of 3 months
- Extension of the workshop possible if required



For further information please contact us at digitalservices.robotics.de@kuka.com