

PR142020

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Cloud, IoT, Industrie 4.0

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TwinCAT IoT now also supports MindSphere®

Integrating data and communication services efficiently into the cloud

Beckhoff has offered diverse IoT communication capabilities with its TwinCAT IoT product family since 2015. Transmitting data to the cloud or between networked machines in this way creates enormous potential for increasing production efficiency.

MindSphere®, the Industrial IoT as a service solution from Siemens, is now one of the latest solutions that can also be integrated with TwinCAT.

TwinCAT 3 automation software can communicate with HTTP(S) servers as an HTTP(S) client, for example for exchanging data via a REST API. Establishing a connection with MindSphere® is now also possible via this HTTPS communication for exchanging telemetry data. This connection is secured by TLS (Transport Layer Security) and additionally uses MindSphere®-specific authentication mechanisms.

The sample implementations of the TwinCAT 3 Function TC3 IoT HTTPS/REST (TF6760) in the relevant documentation show how to establish connections with MindSphere®. These examples provide a simple introduction to connecting TwinCAT with MindSphere® and allow users to adapt the program code to suit individual requirements.

→ www.beckhoff.com/twincat-iot
→ www.beckhoff.com/tf6760

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Press picture:



Picture caption:

TwinCAT IoT supports numerous standardized protocols for cloud communication.

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