

SIMATIC IOT2040

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The SIMATIC IOT2000 is the reliable and open platform for collecting, processing and transferring data in the production environment.

It is ideally suited as gateway between the cloud or the company IT level and production. The openness of the system in supporting numerous communication protocols and programming in high languages enables customized solutions.

Openness for industrial IoT applications

- Programming in high-level languages
- Realization of flexible communication solutions with various protocols, from Modbus RTU, OPC UA up to cloud protocols like MQTT/AMQP
- Benefit from open-source application examples and libraries
- Yocto Linux support

More information

Please find further information in the Internet at:
<http://siemens.de/iot2000>

Technical specifications	SIMATIC IOT2040
General features	
Processor	Intel Quark x1020
Drives	
Mass data storage	microSD Card slot; SDHC up to 32 GB; microSD Card not included in scope of supply
Memory	
RAM / Flash / SRAM	1 GB / 8 MB / 256 kB
Interfaces	
Serial interfaces	2x RS232/422/485 (switchable)
USB interfaces	1x USB controller + 1x device
Programming interfaces	FTDI-interface (system console); TTL-232R-3V3 (internally accessible)
Ethernet interfaces	2x 10/100 Ethernet RJ45 (independent)
Graphics interfaces	--
Expansion slots	
• Arduino expansion / Pinout • mPCIe expansion	• Arduino Uno R3 compatible • 1x mPCIe Full Size
Operating systems	
Firmware	Flash Firmware pre-installed
Operating system	Yocto V2.1 (Krogoth) based Linux
Operating system – included drivers	Ethernet Serial interfaces Quark related features (SRAM, WD...) MRAA (easy access of ARDUINO shield)
Power supply	
Type of voltage	24 V DC
Dimensions	
Length / Width / Height	144 x 90 x 53 (mm)