PiXtend® now available with Raspberry Pi 4

Kontron's new PiXtend® Pi 4 stands out for high performance in an industrial environment

Ismaning, 02. November 2022 – [Kontron](), a global leader in IoT/Embedded Computing Technology (ECT), will introduce the PiXtend® Pi 4 programmable logic controller based on the Raspberry Pi 4 at the SPS 2022. The new high-performance single-board computer features a Broadcom BCM2711, Quad Core Arm® Cortex® A72 at 1.5 GHz processor that is faster than the previous generation.

The main field of application of the electronic control based on the Raspberry Pi is in device and machinery construction. The PiXtend® Pi 4 comes with the Broadcom BCM2711, the most powerful processor of the Raspberry Pi Foundation. The Quad Core processor with Arm® Cortex® A72, 64-bit SoC supports up to 8 GB RAM.

PiXtend® Pi 4 impresses with its high-performance Gigabit Ethernet interface and ensures a higher, interference-free data transfer rate. In addition, the single-board computer offers two micro-HDMI ports, which are available for transferring audio and video data; up to 4Kp30 is supported. In addition to two USB 2.0 ports, two USB 3.0 ports are available, which transfer data up to ten times faster. In order to fully utilize the processor's maximum operating speed of 1.5 GHz, a passive heat sink is installed in the aluminum case.

The PiXtend® controller can be programmed in common programming languages such as C or Python and is suitable for use with the CODESYS® SoftPLC. The modules can be expanded with the PiXtend® eIO, an I/O system for digital and analog sensors and actuators that can be connected via Modbus. Simple wiring directly in the device or in the control cabinet is facilitated by industry-grade connection technology. All controllers and modules are available in a Basic or Pro variant as a complete device with DIN rail housing. PiXtend® Pi 4 test devices, based on the Raspberry Pi 4, will be available at the SPS 2022.

More information is available here: https://www.kontron-electronics.com/products/raspberry-pi/

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- Latest information about Kontron is also available from the official Kontron Blog

About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications. For more information, please visit: www.kontron.com

About Kontron Electronics GmbH

Kontron Electronics is a full-service provider in the fields of electronics, development and manufacturing services. The portfolio includes proprietary and customized products, development and design services for complex electronic components, modules and systems, and production and assembly services for complete assemblies. Kontron Electronics is a leading global service provider for electronics with 350 employees at our German locations in Frickenhausen near Nürtingen, Halle (Saale) and Schorndorf and in Hungary at the Kontron Electronics Kft. production facilities in Pécs and Tab, please visit: www.kontron-electronics.com

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