

Development

Production/EMS

Software

Products

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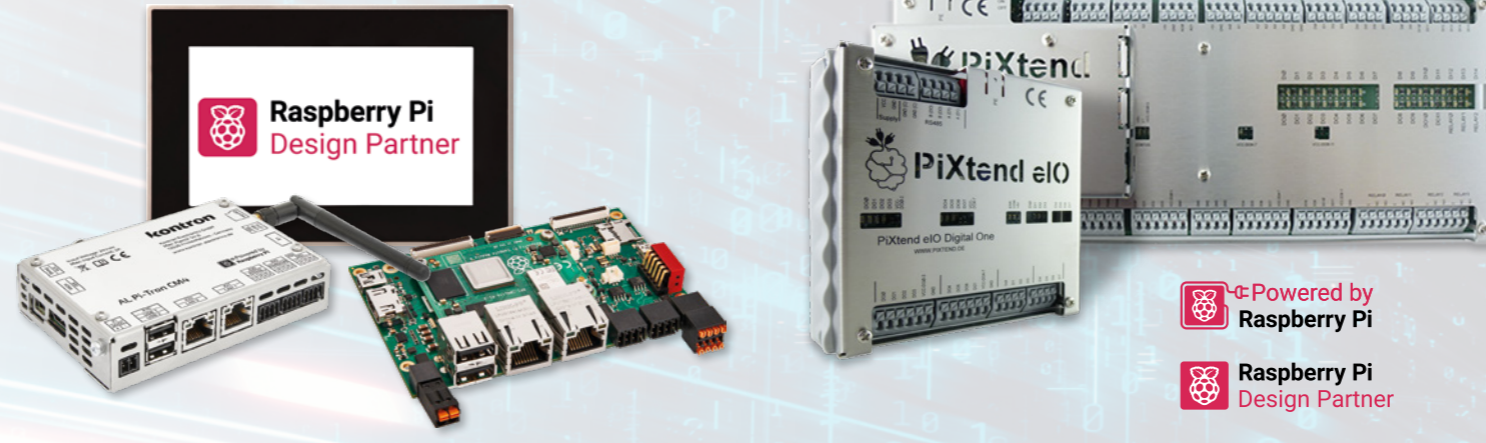
We point out that all used brand names refer to the general brand, trademark or patent protection of the respective company or facility. Subject to change.

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Pi-Tron based on Raspberry Pi

– Solution for Industrial Products

As Raspberry Pi Design Partner we support you with our expertise in the development of new Raspberry Pi product designs.

- › State of the art computing power
- › Industrial-use interfaces, customizable
- › WLAN/Bluetooth® connectivity
- › Residential and industrial applications

BL Pi-Tron CM4

- › 4x Arm® Cortex®-A72@1.5 GHz
- › 1 GB RAM up to 8 GB LPDDR4-RAM
- › Optional WLAN/Bluetooth®
- › Suitable for CODESYS® SoftPLC
- › Available until 2031

AL Pi-Tron CM4

- › 2x USB 2.0, 2x LAN, RS232, RS485, CAN FD, 4x DIO
- › Stainless steel housing
111 x 25 x 76 mm for mounting on 35 mm mounting rail

DL 7" Pi-Tron CM4

- › Broadcom BCM2711, 4x Arm® Cortex®-A72@1.5 GHz
- › 3D Video Engine
- › 7" IPS-Display, 1024 x 600 Pixel
450 cd/m²

BL Pi-Tron CM3+

- › 4x Arm® Cortex®-A53@1.2 GHz
- › 1 GB RAM, up to 32 GB eMMC
- › Fanless operation
- › Suitable for CODESYS® SoftPLC
- › Available until 2028

AL Pi-Tron CM3+

- › 2x USB 2.0, 2x LAN, RS232, RS485, CAN, 4x DIO
- › Stainless steel housing
111 x 25 x 76 mm for mounting on 35 mm mounting rail

PiXtend®

– First choice for Industrial Projects

- › PiXtend® controllers and PiXtend® eIO modules reduce your time-to-market
- › Based on a single-board computer from the Raspberry Pi Foundation Pi4 or 3B+
- › Programmable in common programming languages such as C or Python
- › Suitable for CODESYS® SoftPLC

PiXtend® V2-L- Pi 4 & PiXtend® V2-L-

- › Brushed stainless steel DIN rail housing
- › 16x DI, 12x DO, 6x AI, 2x AO, 4x Relais, 6x PWM, 4x GPIO
- › Retain memory 64 Byte Flash EEPROM
- › Suitable for CODESYS® SoftPLC

PiXtend® V2-S- Pi 4 & PiXtend® V2-S-

- › Brushed stainless steel DIN rail housing
- › 8x DI, 4x DO, 4x AI, 2x AO, 4x Relais, 4x PWM, 4x GPIO
- › Retain memory 32 Byte Flash EEPROM
- › Suitable for CODESYS® SoftPLC

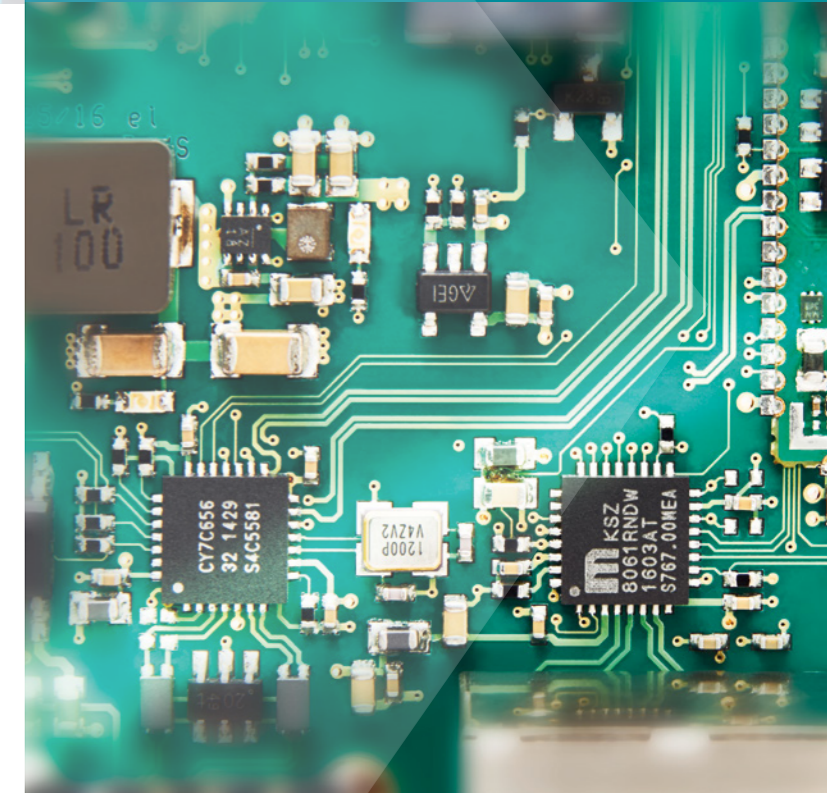
PiXtend® eIO Digital One Pro

- › 8x 3,3 / 5 / 12 / 24 V, digital input including counter function
- › 8x 0,5 A, 5 / 12 / 24 V, digital output
- › Fast digital logic "HyperLogic"

PiXtend® eIO Analog One Pro

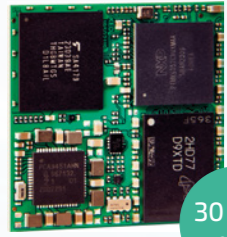
- › 4x 0...5 V / 0...10 V, analog 10-Bit voltage inputs (AI-U)
- › 4x 0...10 V, analog 12-Bit voltage outputs (AO-U)
- › 2x 0...20 mA, analog 12-Bit current outputs (AO-I)
- › 4x 0...20 mA, analog 10-Bit current inputs (AI-I)

We IoT-ize your Business



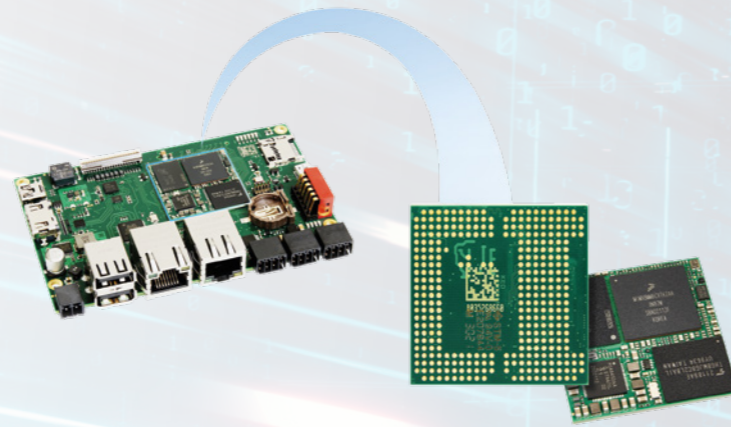
System-on-Module

– OSM-S Family



30 x 30 mm

- › Directly soldered without plug connectors
- › Fully automated assembly and test
- › Manufacturer independent
- › Future proof open standard



Automation-Line

– Proven & Robust



- › CODESYS® ready
- › Flexible interfaces
- › Easy adaptation to customer-specific requirements
- › Compact all-in-one solution

Secure & Connected



Development

– Your Ideas are our Motivation

From the idea to the development of a product ready for the market - our team is there to support you. Many years of development experience and know-how guarantee your success.



OSM-S i.MX8M Plus

- › 4x Arm® Cortex®-A53, M7, GPU and NPU
- › 2x 1 Gbit/s, 2x CAN FD
- › DSI, LVDS, HDMI – 2x CSI
- › CODESYS® SoftSPS support

OSM-S i.MX8M Mini

- › 4x Arm® Cortex®-A53, M4, GPU
- › 1x 1 Gbit/s
- › DSI – 1x CSI
- › CODESYS® SoftSPS support

OSM-S i.MX93

- › 2x Arm® Cortex®-A55, M33, nNPU
- › 2x 1 Gbit/s (1x with TSN), 2x CAN FD
- › DSI, LVDS – 1x CSI

CPU-Boards

– Efficient & Independent Platform

- › Reduced development effort
- › Fast time to market
- › Scalable computing power
- › Industrial connectors/ 24 V DC Input
- › Wide range of applications

BL i.MX8M Plus

- › 1 – 4 GB RAM, 8 – 64 GB eMMC, uSD socket
- › 2x USB 2.0, 2x GBE, RS232, RS485, CAN, 4x DIO
- › HDMI, LVDS, CSI, Touch integration
- › Suitable for CODESYS® SoftPLC

BL i.MX8M Mini

- › 1 – 4 GB RAM, 8 – 64 GB eMMC, uSD socket
- › 2x USB 2.0, 1x GBE + 1x 10/100, RS232, RS485, CAN, 4x DIO
- › HDMI, LVDS, Touch integration
- › Suitable for CODESYS® SoftPLC

BL i.MX6 ULL

- › 512 MB RAM, 512 MB NAND, 4 GB eMMC, uSD socket
- › 2x USB 2.0, 2x 10/100, RS232, RS485, CAN, 2x DIO, 2x AIN
- › RGB, Touch integration
- › Suitable for CODESYS® SoftPLC

BL STM32 MP157

- › 512 MB RAM, 512 MB NAND, 4 GB eMMC, uSD socket
- › 2x USB 2.0, 2x 10/100, RS232, RS485, CAN, 2x DIO, 2x AIN
- › HDMI, LVDS, RGB, Touch integration

The SoM in combination with the Linux BSP and a complete development environment, offers an immediately deployable system which can be used for various applications. Develop your own baseboard based on the SoM module. Gladly we develop the baseboard together with you or take over the complete development process.

AL i.MX8M Mini

- › 4x Arm® Cortex®-A53/ Cortex®-M4
- › 1 – 4 GB RAM, 8 – 64 GB eMMC, uSD socket
- › 24 V Input
- › Stainless steel housing 111 x 25 x 76 mm for mounting on 35 mm mounting rail

AL i.MX6 ULL

- › i.MX6 ULL 1x Arm® Cortex®-A7 @800 MHz
- › 512 MB RAM, 512 MB NAND, 4 GB eMMC, uSD
- › 24 V Input
- › Stainless steel housing 111 x 25 x 76 mm for mounting on 35 mm mounting rail

Display-Line

– Multitouch Panel



DL 7" i.MX8M Mini

- › 4x Arm® Cortex®-A53/ Cortex®-M4
- › 1 – 4 GB RAM, 8 – 64 GB eMMC, uSD socket
- › 7" IPS-Display, 1024 x 600 Pixel, 450 cd/m2
- › PCAP Touch

AL i.MX6 ULL

- › i.MX6 ULL 1x Arm® Cortex®-A7 @800 MHz
- › 512 MB RAM, 512 MB NAND, 4 GB eMMC, uSD
- › Glass front, frameless IP65, 5" TFT-Display
- › PCAP Touch

System-on-Module

– Powerful & Compact

- › Short development cycle
- › Reduced engineering risks
- › EMC tested
- › Long-term availability of CPU module



25 x 25 mm

SL i.MX6 ULL/UL

- › i.MX6 ULL 1x Arm® Cortex®-A7 @800 MHz
- › i.MX6 UltraLite 1x Arm® Cortex®-A7 @528 MHz
- › 2x 10/100 Mbit/s, 1x PHY included, DSI
- › CODESYS® SoftSPS support

SL STM32 MP157

- › 2x Arm® Cortex®-A7, M4
- › 2x 10/100 Mbit/s, 1x PHY included, 1x CAN FD
- › DSI, 24 Bit RGB

Production

– We are your Partner

As an experienced electronics services provider, we do far more than just production and assembly. We are part of the Kontron ODM/EMS Alliance.

