

Development Kit



Accelerate Your Innovation Ready-to-Use Development Kit for Prototyping and Evaluation

- All-in-one solution for a fast project start with Single Board Computers of the Board-Line series, including accessories
- Preconfigured system – ready for immediate use with Board Support Package and demo application
- Includes all accessories required for initial setup
- Optimized for evaluation, software development and testing

SOC	PRODUCT	RAM / EMMC	DISPLAY	ORDER NUMBER
Pi-Tron CM5	DK Pi-Tron CM5 QC	2GB/16GB WLAN		50099 102
	DK 7" Pi-Tron CM5 QC	2GB/16GB WLAN	7" Touch Display	50099 100
i.MX8M Plus	DK i.MX8M Plus QC	4GB/32GB		50099 089
	DK 7" i.MX8M Plus QC	4GB/32GB	7" Touch Display	50099 087
i.MX93	DK i.MX93 DC	2GB/32GB		50099 092
	DK 7" i.MX93 DC	2GB/32GB	7" Touch Display	50099 093
i.MX8M Mini	DK i.MX8M Mini	4GB/32GB		50099 065
	DK 7" i.MX8M Mini	4GB/32GB	7" Touch Display	50099 094
i.MX6 ULL	DK i.MX6 ULL	512MB/512MB		50099 046
	DK 5" i.MX6 ULL	512MB/512MB	5" Touch Display	50099 042
i.MX6 UL	DK i.MX6 UL	512MB/512MB		50099 061
STM32 MP157	DK STM32 MP157	512MB/512MB		50099 045
	DK 5" STM32 MP157	512MB/512MB	5" Touch Display	50099 044

Product Highlights

The Development Kit (DK) provides a ready-to-use platform for quickly and efficiently developing applications based on Kontron Electronics' Board-Line. Instead of spending time selecting and integrating individual components, developers receive a fully aligned system consisting of hardware and Board Support Package (BSP) with installed demo software. The DK enables a fast start into evaluation, development, and validation of new applications. It

significantly simplifies the initial setup and ensures that all relevant interfaces and features of the Board-Line can be used immediately. This allows developers to focus on what matters most: implementing their application. Whether for initial feasibility studies, prototyping, or preparation for mass production, the Development Kit reduces complexity and accelerates the entire development process.

Customer Benefits

- › Fast project start without integration effort
- › Ideal foundation for software development
- › High flexibility for a wide range of use cases
- › Seamless transition to production solution
- › Shorter time-to-market

Applications

- › IoT/Industry 4.0
- › Edge computing solutions
- › Control and automation systems
- › Measurement and medical technology
- › HMI and touch panel applications

Intended Use

The DK is a customer- and application-specific test module, intended for use by qualified personnel in research and development environments for R&D purposes.

The Development Kit Includes all required accessories for immediate setup.

ORDER NUMBER FOR INDIVIDUAL PURCHASE	PRODUCT
	Board-Line mounted on acrylic plate including Power Connector
1 860 1154	USB Cable for debug port (A- to Mini-B)
30099 001	AC Power Supply with Power Connector
40099 101	USB-UART Debug-Adapter
30099 006	Connector Set without Power Connector (RS232, CAN/RS485, DIO)
	with or without 5" or 7" Touch Display

Optional Additional Accessories

ORDER NUMBER	PRODUCT
1 060 0338	MicroSD Card 16 GB

Related Products

The following products are available with Kontron Electronics' System-on-Modules. The Development Kit is therefore ideally suited for hardware and software development of these products.

ACRONYM	PRODUCT NAME	DETAILS
OSM-S	SoM-Line	Open Standard Module™ - Size S
BL	Board-Line	including soldered-on OSM-S
DK	Development Kit	including BL + Accessories, Touch Display optional
AL	Automation-Line	including BL + Housing
DL	Display-Line	including BL + Touch Display + Housing

- Other systems or form factors on request
- Not all product series are available with every SoM; some are project based only



About Kontron

Kontron AG is a leading IoT technology company. For more than 20 years, Kontron has been supporting companies from a wide range of industries to achieve their business goals with intelligent solutions. From automated industrial operations, smarter and safer transport to advanced communications, connectivity, medical, and energy solutions, the company delivers technologies that add value for its customers. With the acquisition of Katek SE in early 2024, Kontron significantly strengthens its portfolio with the new GreenTec division, focusing on solar energy and eMobility, and grows to around 8,000 employees in over 20 countries worldwide. Kontron is listed on the SDAX® and TecDAX® of the German Stock Exchange.

For more information, please visit: www.kontron.com

About Kontron Electronics

Kontron Electronics GmbH is a full-service provider in the electronics industry, offering comprehensive services in development, rapid prototyping, and manufacturing. The company's portfolio includes proprietary and customer-specific products, development and engineering services for complex electronic components, modules, and systems, as well as production and assembly services for complete assemblies. The company is part of the Kontron AG technology group.

For more information please visit: www.kontron-electronics.com

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