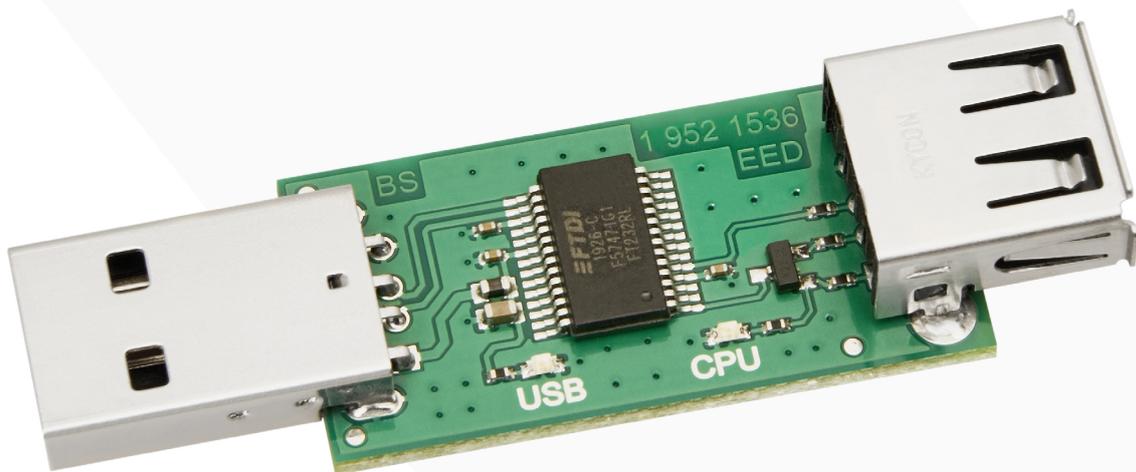


# USB-UART Debug-Adapter



## For Automation and Board-Line Assemblies as well as for Display-Line

- UART-USB converter
- Suitable for all Kontron Automation-Line (AL), Display-Line (DL) and Board-Line (BL) assemblies (excluding AL Pi-Tron CM3+)
- Use of standard USB cables possible but not included in the scope of delivery
- No external power source required

This adapter can be used for easy debugging of all Kontron Electronics assemblies which feature a debug interface. Connected to the host PC via USB, the adapter converts serial UART

debug signals for use within the console. In addition to the adapter, a USB A to USB Mini B cable is required. The adapter can also be connected via a USB extension.

## Technical Information

FUNCTION	STANDARD
USB INPUT (PC)	USB-A connector
USB OUTPUT (UART)	USB-A socket
USB CABLE REQUIRED	USB-A connector at USB mini B connector
OPTIONAL USB CABLE	USB-A connector at USB-A socket (extension)
UART LEVEL	3,3 V
POWER SUPPLY	5 V DC $\pm 5\%$ via USB, no external power supply necessary
IO VOLTAGE	< 1 W
TEMPERATURE RANGE	0...+55 °C
FORM FACTOR	19 x 60 mm (inclusive connector/socket)
ARTICLE NO.	40099 101





## 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](http://www.kontron.com)

## About Kontron Electronics

Kontron Electronics GmbH is a full-service provider in the field of electronics, development and manufacturing services. Our business portfolio includes proprietary and client-specific products, development and design services for complex electronics components, modules and systems, as well as production and assembly services for entire devices. The company is part of the technology corporation Kontron AG.

For more information please visit: [www.kontron-electronics.com](http://www.kontron-electronics.com)

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