

# AL i.MX6 ULL Automation-Line



## Compact Linux computer for top-hat rail

- Compact Box-PC
- Embedded Linux operating system
- Wide range of interfaces
- Robust chassis

FUNCTION		
MICROPROCESSOR	CPU	NXP i.MX6 ULL, 1x Arm® Cortex®-A7 @800 MHz
MEMORY	DDR3-RAM NAND-FLASH NOR-FLASH eMMC SD CARD NV MEMORY	512 MByte, Option: 256 MByte 512 MByte, Option: 256 MByte 1 MByte 4 GByte, Option: 8 GByte - 64 GByte 1x microSD Card Slot 8 kByte (64 kb) nvSRAM
COMMUNICATION	ETHERNET USB SERIAL CAN DIO AIO	2x 10/100 Mbit/s 2x 2.0 Host, 1x 2.0 OTG 1x RS232, 1x RS485 1x CAN 2.0 B 2x DIO (24 V/up to 800 mA) 2x AIN (0...24 V)
OTHER	POWER SUPPLY POWER CONSUMPTION FORM FACTOR  TEMPERATURE RANGE PROTECTION CLASS	24 V DC ± 20 % Linux running <1,5 W Stainless steel housing 111 x 25 x 76 mm for mounting on 35mm mounting rail acc. EN 60715 0 °C...+55 °C IP20
SOFTWARE	BOOTLOADER OPERATING SYSTEM RTC RTC-PUFFERUNG DEBUG AUDIO SECURITY	U-Boot Embedded Linux (Yocto Distribution) 5ppm accuracy CR 1220 1x Console 1x Buzzer Secure Boot, RNG, AES-128

## Product Highlights

Small, compact Linux computers are perfect for quick and easy hat rail installation. High-power controller solutions offer a wide range of interfaces and flexible expansion options. Automation Line AL i.MX6 ULL features I/O ports with industrial-use spring terminals, 24 V DC power supply and a CAN Bus expansion interface. Our cost-optimized hat rail computers with

guaranteed long-term availability are designed with your automation and IoT solutions in mind.

Do you need additional inputs and outputs for your control solution? Our hat rail computers can easily be expanded via our multi-purpose I/O module, with communication via a CAN interface, giving you a versatile and compact all-in-one solution.

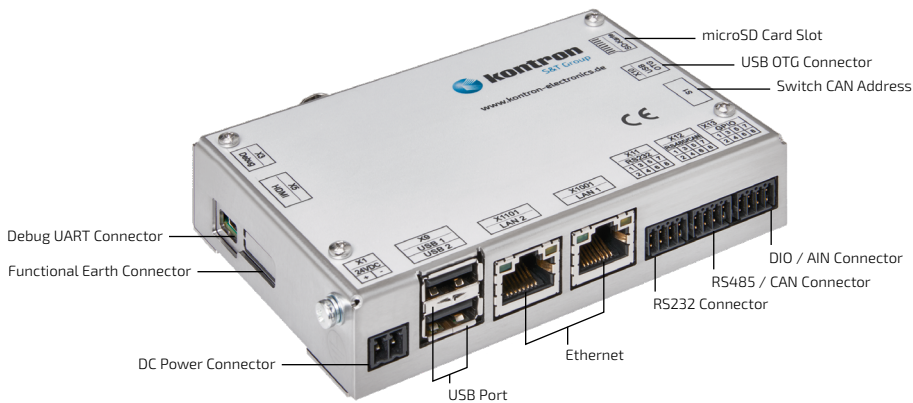
### Client Benefits

- Small, compact design
- Flexible top-hat rail assembly
- Optional expansion via multifunctional I/O module
- Excellent price/performance ratio

### Applications

- Automation
- IoT Gateways
- Edge Computing
- Communication
- Mechanical Engineering

PRODUCT NAME	ARTICLE NO.	OPTIONS
AL i.MX6 ULL 512 MB/512 MB	50099 037	-
AL i.MX6 ULL 512 MB/512 MB CODESYS + WEBVISU	50099 053	-
AC CONNECTOR SET BL/AL/DL	30099 003	Order in addition to AL i.MX6 ULL and AL i.MX6 Dual
USB-UART ADAPTER	40099 101	-



# Products Automation-Line

PRODUCT NAME	ARTICLE NO.	OPTIONS
AL Multifunktionsmodul CAN I/O 12/12/4/4	50099 036	2x CAN, 12x DIO, 12x DO, 4x AI, 4x AO, 2x PT100, in chassis



# Development Kit

PRODUCT NAME	ARTICLE NO.	OPTIONS
DK i.MX6 ULL 512 MB/512 MB	50099 046	BL i.MX6 ULL, Power Supply, Cables, Debug-Adapter
DK 5" i.MX6 ULL 512 MB/512 MB	50099 042	BL i.MX6 ULL, Touch Display, Power Supply, Cables, Debug-Adapter





## 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](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)

## Your Contact

### Kontron Electronics GmbH

Max-Planck-Straße 6  
72636 Frickenhausen, Germany  
Tel.: +49 7022 4057-0  
[info@kontron-electronics.de](mailto:info@kontron-electronics.de)

[www.kontron-electronics.com](http://www.kontron-electronics.com)

## Global Headquarters

### Kontron Europe GmbH

Gutenbergstraße 2  
85737 Ismaning, Germany  
Tel.: +49 821 4086-0  
[info@kontron.com](mailto:info@kontron.com)

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

