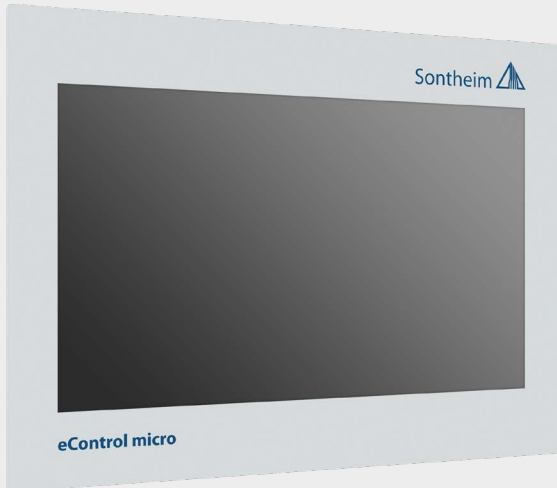


eControl micro

CODESYS based real-time control





eControl micro

eControl micro is a high-performance PLC with integrated CAN interface according to CiA Draft Standard DS 301 and DS 401. The robust and compact design in combination with CODESYS V3 as a development environment opens up a variety of applications in industrial environments.

Key Features



Programming language CODESYS V3 acc. to IEC 61131-3



Integrated microSD slot



7" touch display



CANopen interface acc. to ISO 11898



Expansion options for individual adaptations

eControl micro

The control unit has a powerful CPU with 400 MHz which has been specially optimized for the CODESYS target- and web- visualization. The operation can be performed conveniently with a 7" TFT touch display.

The extremely compact and robust metal housing allows an use in harsh industrial environments. An integrated Ethernet interface can be used for debugging, for remote maintenance, software updates or higher-level visualizations. A USB port ensures rapid data exchange with external data media such as a USB stick and so the PLC firmware or application can be updated, as well as machine parameters and records can easily be exchanged (custom scripts automatically executed).

Further communication interfaces of the PLC are three serial and one CAN port which is specified according to CANopen. The controller has a CANopen master functionality, which is quite simply configured from the CODESYS control configuration, guaranteeing optimal control of CANopen IOs and drives. All data from the control unit is stored on an integrated microSD card up to 32 GB.

Technical Data

CPU	Freescall 400 MHz
RAM	128 MB DDR
Memory	64 MB
Expandable memory	microSD card up to 32 GB
TFT-Display	7" (optional other sizes available)
Resolution	800x480
Touch	resistive
Ethernet	10/100 Mbit/s
USB	1.1
CAN	1x CAN interface acc. to ISO 11898
Serial interfaces (Data)	2x
Serial interfaces (Debug)	1x optional
DIP switch	8-pin for variant setting
Dimensions (l×w×h)	200 mm × 150 mm × 36 mm
Storage temperature	-20 °C up to +70 °C
Operating temperature	0 °C up to +50 °C (optionally extendable temperature range)
Temperature sensor	integrated
Humidity	20 % up to 90 % not-condensing
Protection class front	IP50
Protection class side/rare	IP20
Power supply	24 V DC ± 10 %



Connectors at the bottom

1	RS232-3
2	LAN
3	RS232-2
4	RS232-1



Connectors at the side

1	24 V
2	USB
3	CAN
4	microSD Slot

Order information

V966371200	eControl micro
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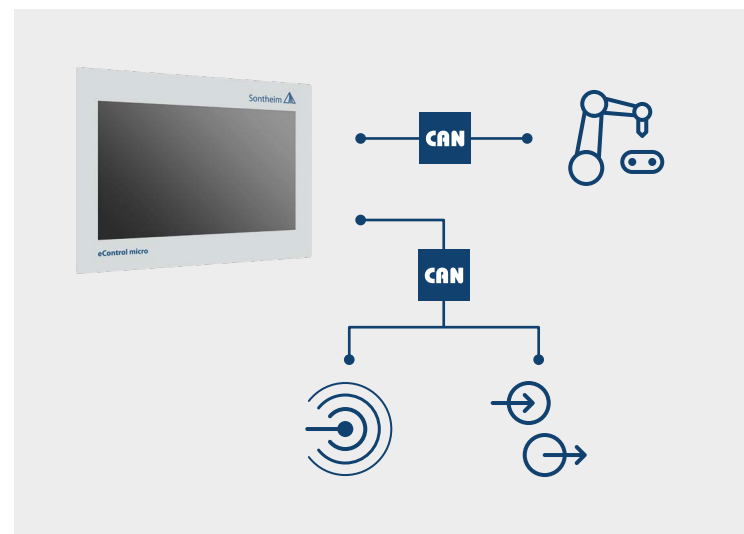
CODESYS programming according to IEC 61131-3

Based on a 32-bit microcontroller with integrated target visualization on the PLC, eControl micro is programmed with the runtime system CODESYS V3.x according to IEC 61131-3. For demanding visualizations there are ready-made visualization elements, such as trend graphics, alarm tables or pointer instruments which allows a quick and easy work.

As a specialist in automation technology, we offer a variety of robust IO modules in aluminum cases or as slim light versions. The perfect complement to eControl micro is the modular IO module with 16 digital and two analog IOs. Up to six more expansion modules can be added. Scan the QR code for more detailed information.

Example of an automation application

Controlling, operating and monitoring – eControl micro as a master and link between control and sensor/actuator level.





Mobile Automation



Industrial Automation



Diagnostics



Connectivity

We are looking forward to your enquiry!

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