

Datasheet: com.tom BASIC 8.0

The com.tom BASIC 8.0 is a ready-to-use device to develop an application specific solution with short development lead times. The device offers communication interfaces like Ethernet, a serial port and a CAN interface. Furthermore four digital inputs and four digital outputs are present.



Technical data	
IPC@CHIP®	SC143-LF Embedded Controller
Ethernet interface	1 x 10/100BaseT, RJ45 connector with traffic and link LED
Serial interface	1x RS232, RS485 or RS422 (selectable) with (one) DSUB9 connector
SD Card interface	MMC/SD memory card
CAN interface	1x CAN with DSUB9 connector
Digital Inputs	4 x sink, 24 V DC typ 5 mA nominal value for TRUE: 15 V DC min nominal value for FALSE: 5 V DC max no potential isolation
Digital Outputs	4 x Transistor (high-side) 24 V DC, max 500 mA short-circuit and overload resistant, no potential isolation, mating connector Weidmüller BL 3.50/10 included in the delivery scope
Supply voltage	24 VDC (-15% / +15%) mating connector Weidmüller BL 3.50/3 included in the delivery scope
Active current	max 100mA (at 24VDC) + current digital outputs

Software engineering

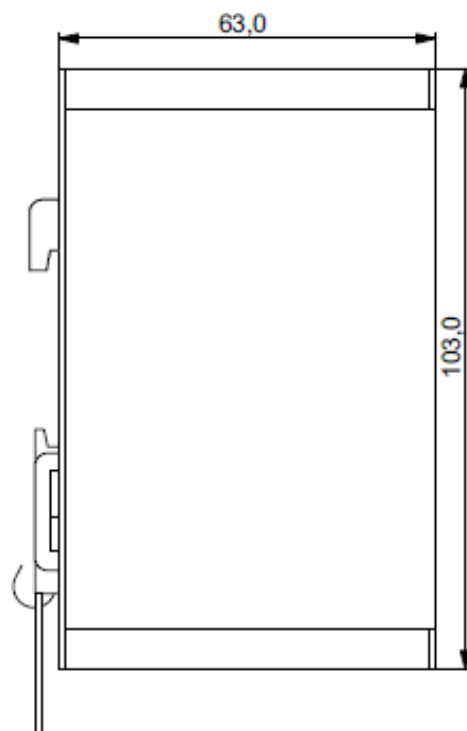
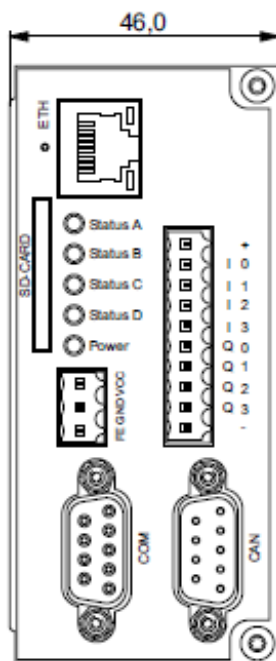
Operating System	IPC@CHIP® RTOS
Application	Freely programmable in C/C++ with the Beck IPC Edition of the Paradigm IDE

Environmental

Operating temperature (TA)	0°C to +55°C (-20 °C to 60 °C upon request)
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Mechanical data

Size (W x L x H)	46 x 103 x 63 mm
Material	Continuously hot-dip aluminium-zinc coated steel sheet (DIN EN 10215)
Mounting	DIN rail mounting



Compliance and Conformity

CE, RoHS/WEEE

- EMC emission	IEC 61000-6-4
- EMC immunity	IEC 61000-6-2
- Protection Rating	IEC 60529: IP20
- Electrical Shock	IEC 61140: Class III
- Low Voltage Directive	IEC 60950-1

Ordering information

Order-No. com.tom BASIC 8.0:	570819
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