

Datasheet: com.tom BASIC 4.2

The com.tom BASIC 4.2 is a programmable telecontrol device. The device offers communication interfaces like Ethernet, a serial port and a CAN interface. The CODESYS SP@CHIP runtime kernel is installed as well the WEB-PORTAL communication software. With the CAN-Interface a flexible configuration with I/O's is given.



Technical data

IPC@CHIP®	SC143-LF-IEC 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
Supply voltage	24 VDC (-15% / +15%) mating connector Weidmüller BL 3.50/3 included in the delivery scope
Active current	max 100mA (at 24VDC)

Software engineering

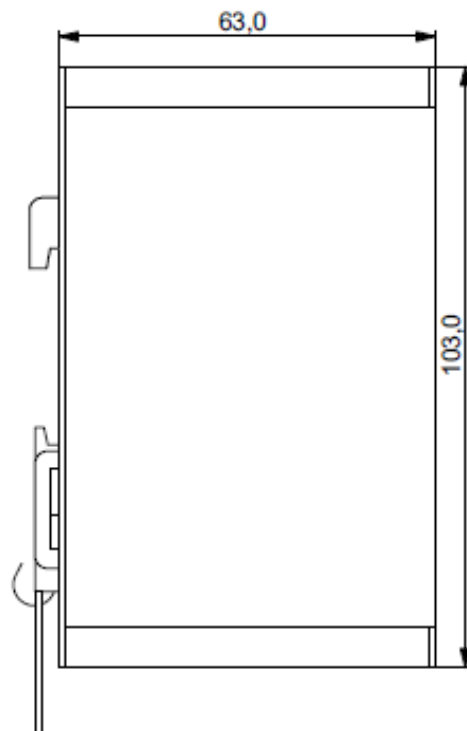
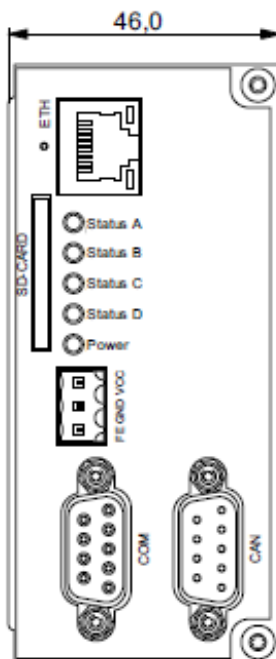
Operating System	IPC@CHIP® RTOS
PLC - Runtime	CODESYS SP@CHIP - CODESYS PLC runtime kernel - CODESYS CANopen library
Application software	Freely programmable in IEC 61131-3 with CODESYS V2.3 Programming System
WEB-PORTAL communication	Predefined and installed Dedicated quantity of variables
WEB-PLC – Additional functions	Event Log – System events are logged with timestamp and message Simple Network Time Protocol Synchronization of the system clock OpenVPN – To integrate your com.tom device into a virtual private network Activation over com.tom PORTAL Modbus – RTU and TCP, up to 8 devices and 64 values DHCP Server – Up to 100 clients, up to 10 static leases NAT – To route traffic between a local (internal) and a global (external) network Update – Over com.tom PORTAL or local WEB page CODESYS IO configuration export Import into your CoDeSys project to the global variable list. IEC 60870-5-104 Server – as an option available.

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 4.2:	570812
Accessory IEC 60870-5-104 Server:	570796