

## Datasheet: com.tom RADIO 2.2

The com.tom RADIO 2.2 is a ready-to-use telecontrol device. The device offers several communication interfaces like a GSM/GPRS-Modem, Ethernet and a serial port. Furthermore four digital inputs and four digital outputs are present. The CODESYS SP@CHIP runtime kernel is installed as well the WEB-PORTAL communication software via GPRS.



### Technical data

IPC@CHIP® Add-On	SC143-IEC-LF Embedded Controller GM01 modem - Quad Band GSM (850/900/1800/1900 MHz) (SIM-card is inserted at the back)
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
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%) with Weidmüller BL 3.50/03 Mating connector included in the delivery scope
Active current	max 200mA (at 24VDC) + current digital outputs
Antenna / Antenna Interface	SMA Female socket

**Software engineering**

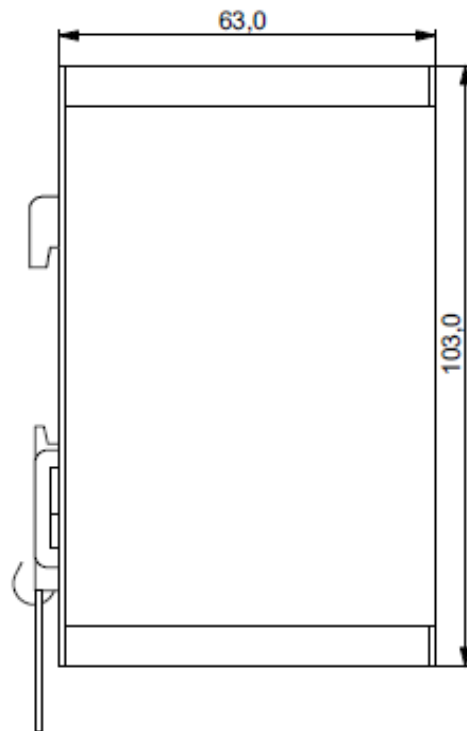
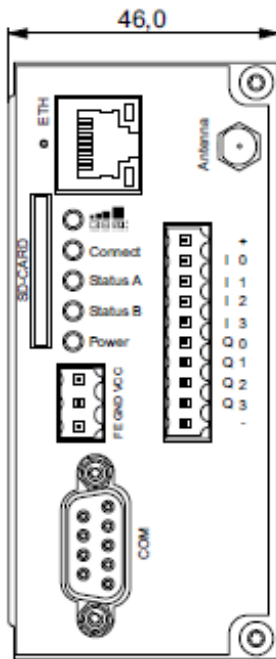
Operating System	IPC@CHIP® RTOS
PLC - Runtime	CODESYS SP@CHIP - CODESYS SP V2.3 runtime kernel
Application software	Freely programmable in IEC 61131-3 with CODESYS V2.3 Programming System
WEB-PLC – Additional functions	Event Log – System events are logged with timestamp and message Simple Network Time 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



### Modem Certifications and Compliance

FCC Rules Parts: 15B, 22H, 24E	FCC ID: RI7T56HQ1
EN301 489-1 & 7	GCF 3.27.1
NAPRD 3.14.0	R&TTE - LVD 2006/95/EC

**Compliance and Conformity**

CE, R&amp;TTE, 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
- R&TTE Directive	EN 301 489-1/-7, EN 301 511

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**Ordering information**

Order-No. com.tom RADIO 2.2: 570559

Accessory IEC 60870-5-104 Server: 570796

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