

Datasheet: com.tom M-BUS 6.2 S

The com.tom M-BUS 6.2S is a ready-to-use telecontrol device. The device offers several communication interfaces like a 3.5G Modem, Ethernet and a serial port. Furthermore an M-Bus-Interface, two digital S0- inputs and two digital outputs are present. The CODESYS SP@CHIP runtime kernel is installed as well as the WEB-PORTAL communication software. With the integrated switch and the auxiliary com.tom-functions, a compact and cheap VPN and NAT access to controls and devices in the local network structure is given.



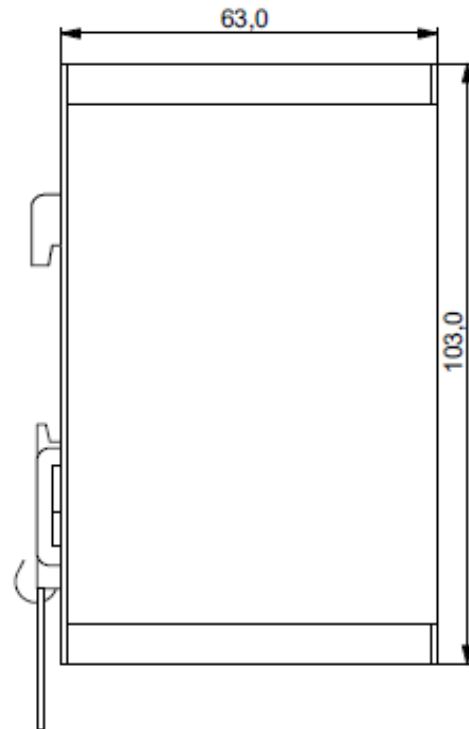
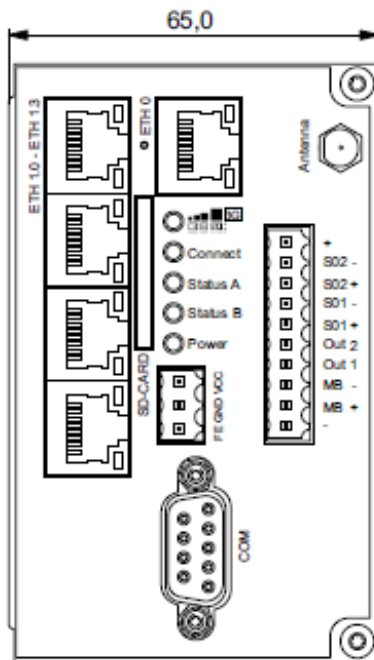
Technical data	
IPC@CHIP® Add-On	SC143-LF IEC Embedded Controller GM02 modem: - Quad Band GPRS (850/900/1800/1900 MHz) - Tri Band UMTS modem (850/1900/2100 MHz) (SIM-card inserted at the back)
Ethernet interface	1+4 x 10/100BaseT, RJ45 connectors with traffic and link LED
Serial interface	1x RS232, RS485 or RS422 (selectable) with (one) DSUB9 connector
SD Card interface	MMC/SD memory card
M-Bus-Interface	max. 32 devices max. distance 5 km 300 bit/s AWG15
Digital S0-Inputs	2 x 10 mA max. frequency 50 Hz
Digital Outputs	2 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 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
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 –optionally available.

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

Mechanical data

Size (W x L x H)	65 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&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

Ordering information

Order-No. com.tom M-BUS 6.2 S:	570890
Accessory IEC 60870-5-104 Server:	570796