

Datasheet: com.tom M-BUS 2.0

The com.tom M-BUS 2.0 is a ready-to-use telecontrol device to develop a application specific solution with short development lead times. The device offers several communication interfaces like a GSM/GPRS-Modem, Ethernet and a serial port. Furthermore an M-Bus-Interface, two digital S0-inputs and two digital outputs are present.



Technical data

IPC@CHIP® Add-On	SC143-LF Embedded Controller GM01 modem Quad Band GSM (850/900/1800/1900 MHz) (SIM-card 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
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

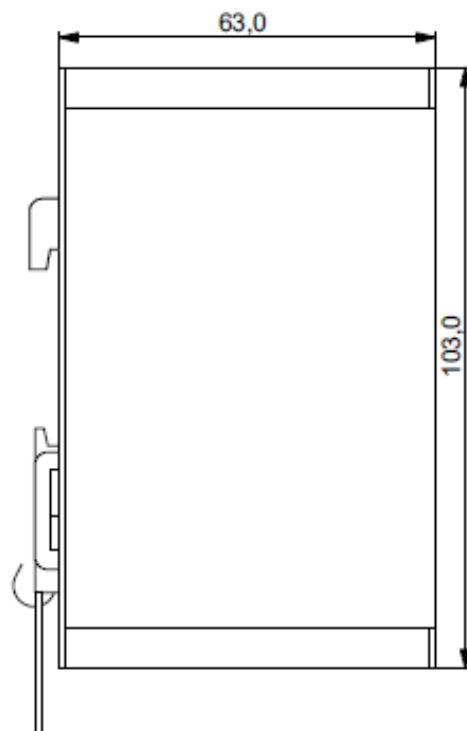
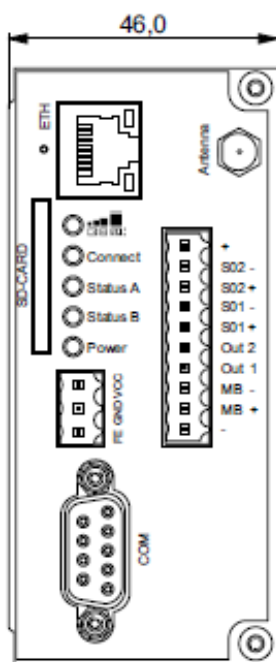
Operating System	IPC@CHIP® RTOS
Application	Freely programmable in C/C++ with the Beck IPC Edition of the Paradigm IDE

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



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 2.0:	570611
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