

Datasheet: com.tom RADIO-UMTS 7.0 S

The com.tom RADIO-UMTS 7.0S is a ready-to-use device to develop an application specific solution with short development lead times. The device offers several communication interfaces like a 3.5G Modem, Ethernet and a Serial port.

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 Embedded Controller GM02 modem: - Quad Band GPRS (850/900/1800/1900 MHz) - Tri Band UMTS modem (850/1900/2100 MHz) (SIM-card is 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
Supply voltage	24 VDC (-15% / +15%), Mating connector Weidmüller BL 3.50/03 included in the delivery scope
Active current	max. 200mA (at 24VDC)
Antenna / Antenna Interface	SMA Female socket

Software engineering

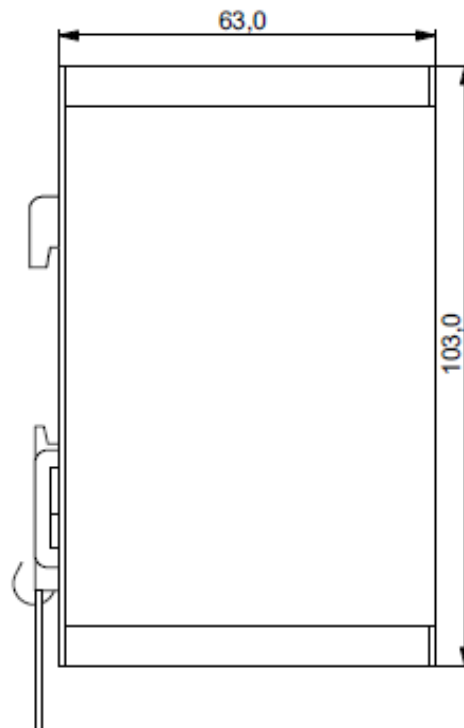
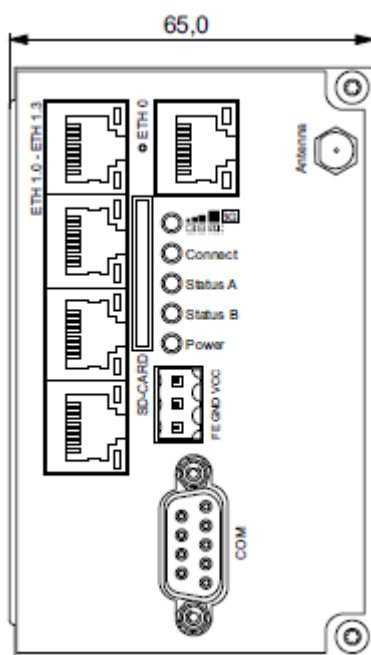
Operating System	IPC@CHIP® RTOS
Application	Freely programmable in C/C++ with the Beck IPC Edition of the Paradigm IDE

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)	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 RADIO-UMTS 7.0 S: 570891
