



special products for special customers

triorail

# GSM-Rail

small and smart

TR-C81



Approved GSM-R  
Technology

Datasheet

# TR-C81

## Profile

- Weight: 90 g
- Dimensions: 104 x 46.5 x 17.7 mm
- TFT colour display:
  - 1.8 inches
  - 132 x 176 pixels
  - 262,144 colours
- Li-Ion battery (820 mAh)
  - Standby time: 300 h
  - Talktime: 300 min
  - Charging time: Less than 2 h for 100%
- Integrated 1.3 Megapixel camera with 5x digital zoom
- 23 MB internal memory
- Integrated RS-MMC slot, for up to 1GB
- Interfaces: serial, USB 2.0, Bluetooth®

## Features

- Supports triple band GSM 900 / 1800 /1900 and GSM-R
- GPRS class 10 up to 53.6 Kbps
- EDGE up to 384 Kbps
- CSD up to 14.4 Kbps, fax group 3, class 2
- Voice coding: half rate, full rate and enhanced full rate
- SIM Functionality / Security Controls
  - SIM Application Toolkit (class 3)
  - SIM Lock, various levels
  - Pin 1 & 2 control
  - Ciphering A5.1 and A5.2
  - SIM Plug-In (1.8V / 3V)
- MMS, EMS, SMS, cell broadcast, instant messaging
- Mobile internet access (WAP 2.0)
- E-mail client SMTP, POP3
- Organizer functionality including:
  - Tasks
  - Notes
  - Calendar
  - Address book
- Integrated hands free feature

## Supplementary Services\*

ALS	Alternative Line Service
AOCC	Advice of Charge. Units used with preset limit.
AOCI	Advice of Charge Information. Display of units with cost conversion
CAI	Display of Charge Advice Information
CB	Call Barring (all GSM options)
CFB	Call Forwarding on Mobile , Subscriber busy
CCBS	Call Completion to Busy Subscriber
CF	Call Forwarding
CH	Call Hold
CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
CPHS4.2	Common PCN Handset Specification
CT	Call Transfer
CW	Call Waiting
ECT	Explicit Call Transfer
FDN	Fixed Dialling Numbers**
HZI	Home Zone Indicator
LND	Last Number Dialling
MTPY	Multiparty Conference
SMS CB	Cell Broadcast
SMS MO	Mobile Originated
SMS MT	Mobile Terminated
USSD-notify	Unstructured Supplementary Service Data

\*Network dependent

\*\*SIMrelated features