

GSM-R Radio Module

MT6



PRODUCT VARIANTS

MT6	without front panel
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DIMENSIONS / WEIGHT

Height Body	100 mm
Width Body	40.7 mm
Depth	169.9 mm
Weight	0.75 kg

TECHNICAL DATA

GSM SERVICES

GSM Phase 2+ Teleservices

TS11: Telephony	TS12: Emergency call
TS21: Short Message Service MT/PP	TS22: Short Message Service MO/PP
TS23: Short Message Service Cell Broadcast	TS62: Automatic Facsimile Group 3
TS91: Voice Group Call	TS92: Voice Broadcast Call

GSM Phase 2+ Bearer Services

BS24: 2.4 kbits T/NT, UID, 3.1 kHz, V110	BS25: 4.8 kbits T/NT, UID, 3.1 kHz, V110
BS26: 9.6 kbits T/NT, UDI, 3.1 kHz, V110	BS70: GPRS Bearer Service

EIRENE SPECIFIC FEATURES

Functional addressing	Call preemption and arbitration (eMLPP)
Railway Emergency Call (REC)	Location dependent addressing

HF CHARACTERISTIC

Operating frequencies	R-GSM 1800 MHz
Power transmission	4 W (GSM Class 2)
Sensitivity	-102 dBm

TECHNICAL DATA

ENVIRONMENTAL CONDITIONS

Protection class	IP20 according to EN 60529
Vibration and shocks	according to EN 50155
EMC	according to EN 50121-3-2 and EN 50155

CLIMATIC CONDITIONS

Operating Temperature	-25 °C to 70 °C
Storage Temperature	-40 °C to 85 °C
Maximal Gradient ¹	± 1 °C/min
Relative humidity	according to EN 50155

ELECTRICAL DATA

Input voltage	13 VDC
	5 VDC
Input power (according to input voltage)	6 W with 13 VDC
	2.5 W with 5 VDC

BACKPLANE CONNECTOR

Power Supply	Reset	Data/Service (TTL)	Analogue audio in/out
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¹ of ambient temperature