

GSM-R Radio Module

MT6E-D



PRODUCT VARIANTS

MT6E-D	without front panel
MT6E-D/FPL	with front panel

DIMENSIONS/WEIGHT

Height Body	110 mm
Width Body	36,6 mm
Depth	169.9 mm
Weight	0.8 kg
Front panel	10 HP / 3 U

TECHNICAL DATA

GSM SERVICES

GSM Phase 2+ Teleservices

TS11: Telephony

TS21: Short Message Service MT/PP

S12: Emergency call

TS23: Short Message Service Cell Broadcast CBM **TS22:** Short Message Service MO/PP

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

BS71: EGPRS Bearer Service

EIRENE SPECIFIC FEATURES

Functional addressing

Call preemption and arbitration (eMLPP)

Location dependent addressing

HF CHARACTERISTICS

Operating frequencies	GSM-R ¹ : 1775.3 to 1782.3 MHz / 1870.3 to 1877.3 MHz ARFCN: 838 to 872
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Power transmission	4 W (DCS Power Class 3)
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Sensitivity	-102 dBm
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RF filtering / Blocking properties	gemäß ETSI TS 102 933-1 Version 2.1.1
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¹GSM-R frequency band (Australia) - channels protected by SAW filter bank

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 ²	± 1 °C/min
Relative humidity	acc. to EN 50155

ELECTRICAL PROPERTIES

Operating voltages	12 VDC (11.7 to 12.9 V)
	5 VDC (4.8 to 5.25 V)
Average current consumption	0.5 A with 12 VDC
	1 A with 5 VDC
Average power consumption	6 W with 12 VDC
	5 W with 5 VDC

² of ambient temperature