

GSM-R Radio Module MT3



GSM Services				Mechanical Data	
Tele Services				Height	Width
TS11: Telephony		TS12: Emergency calls		Body: 100 mm	Body: 40.7 mm
TS21: Short Message Service MT/PP		TS22: Short Message Service MO/PP			
TS23: Short Message Service Cell Broadcast		TS62: Automatic Facsimile Group 3		Front panel: 128.5 mm	Front panel: 50.5 mm (10 HP)
TS91: Voice Group Call		TS92: Voice Broadcast Call			
Bearer Services				Depth	Weight
BS24: 2.4 kbits T/NT, UID, 3.1 kHz, V110		BS25: 4.8 kbits T/NT, UID, 3.1 kHz, V110		169.93 mm	0.75 kg
BS26: 9.6 kbits T/NT, UDI, 3.1 kHz, V110		BS70: GPRS Bearer Service			
EIRENE Specific Features					
Functional addressing		Location dependent addressing			
Call preemption and arbitration (eMLPP)		Railway Emergency Call (REC)			
HF Characteristics					
Operating frequencies	R-GSM	876 ... 915 MHz	921 ... 960 MHz		
	ARFCN	955 ... 1023	0 ... 124		
Power transmission	8 W (GSM Class 2)				
Sensitivity	< -104 dBm				
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 ... 70 °C	Maximal gradient ¹⁾	± 1 °C/min		
Storage temperature	-40 °C ... 85 °C	Relative humidity	acc. to EN 50155		
Electrical Data					
Input voltage	13 V _{DC}	Input power (according to input voltage)	ca. 6 W ²⁾		
	5 V _{DC}		ca. 2.5 W		
Backplane Connector					
Power Supply	Reset	Data / Service (TTL)	Analog Audio in/out		

¹⁾ of ambient temperature

²⁾ 8 W transmission power, for single TX slot