



GSM-R Radio Module MT6

GSM Services		Mechanical Data	
Tele Services		Height	Width
TS11: Telephony	TS12: Emergency calls	Body: 100mm	Body: 40.7mm
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		
Bearer Services		Depth	Weight
BS24: 2.4kbits T/NT, UID, 3.1kHz, V110	BS25: 4.8kbits T/NT, UID, 3.1kHz, V110	169.93mm	0.75kg
BS26: 9.6kbits T/NT, UDI, 3.1kHz, 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	1800 MHz	
Power transmission	4W (GSM Class 2)		
Sensitivity	< -102dBm		
Environmental Conditions			
Protection class	IP 20 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	Maximal Gradient ¹⁾	± 1°C/min
Storage Temperature	-40°C to 85°C	Relative humidity	acc. to EN 50155
Electrical Data			
Input voltage	13 V _{DC}	Input power (according to input voltage)	ca. 6W
	5 V _{DC}		ca. 2.5W
Backplane Connector			
Power Supply	Reset	Data / Service (TTL)	Analogue audio in/out

¹⁾ of ambient temperature