

RALIACOM R1-CM – Data sheet

POWER SUPPLY		
Power supply	8 ÷ 32 VDC	
Reset & Watch Dog	Dedicated hardware circuit	Complete power cycle
Low power mode	Programmable	
Internal battery	18,6 Ah	Rechargeable for a long autonomy
GPS - GSM		
GSM/GPRS radio	Quad Band Gemalto® EGS5-X	
GPS receiver	Ublox® MAX-7Q 56 Channels	GNSS: GPS e Glonass
SIM reader	SIM 1.8 e 3 V	
CPU - SOFTWARE		
Cpu	Arm9	Integrated within EGS5X
Flash memory	8 MB	
Ram	1,7 MB	
Programming	Embedded JAVA	Multi-threading with SDK Eclipse
SW Library	Gemalto and Raliacom	
Remote update	OTAP and FOTA	For user app and EGS5X fw
INPUT - OUTPUT		
On/Off input	yes	Under key use
Digital input	2	
Analogue input	2	0 ÷ 10V
Digital output	1	Open Collector



RALIACOM

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ACCELEROMETER

3D accelerometer	$\pm 2, \pm 4, \pm 8, \pm 16$ g	Programmable
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INTERFACES

RS232 serial port	yes	rx, tx and ground
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OTHER FEATURES

Case	Extruded PC	Protection grade IP67
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Connector	Amphenol®	IP67
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Antennas	GPS patch integrated GSM quad band integrated	
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Operating temperature	-40 +85° C	(battery -20 +60°C)
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Dimensions	170 x 105 x 55 mm	
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Weight	450 g	
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Certifications	CE	
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RALIACOM R1-CM with external cable