



SMS to Server Bridge

The RMC121-SMS Bridge allows the user to transfer SMS messages from one or more EMM-Tek SMS based systems (like the RMC301) to the IP world of web servers.

While SMS messaging provides the most reliable and robust way to transmit information from remote locations, at some point, it is likely that this data will need to be used or collected on a computer somewhere. This unit bridges the SMS system to the IP world by sending the data over a GPRS or similar data link to a server IP address.

In this way, data can be extracted from the most remote and challenging locations, (that probably would not support a GPRS or similar style data link) and be sent to a server based application. The bridge can be mounted in a normal strength signal area which enables the data transfer to happen without signal integrity issues arising.



The on-board control firmware offers screening of incoming messages to ensure that only valid SMS messages are processed whilst ignoring spam and other SMS messages. The unit needs no external connections apart from power and an antenna. Using EMM-Tek's server side software, data can be stored in an SQL database and used to create tables or charts to display data and maps to indicate the position of GPS enabled units that send SMS data to the RMC121-SMS Bridge.

The RMC121-SMS Bridge is housed in a tough extruded aluminium case which keeps out dust and moisture. It can be powered by a mains adaptor or simple DC supply of 5V5 to 30V. It needs an external GSM antenna. The Quad band GSM radio used by the RMC12-SMS Bridge enables worldwide operation wherever GSM signals are available.

Typical applications include aggregating data from multiple RMC301 units, for example when tracking a fleet of vehicles, monitoring multiple buildings or sending telemetry from widely spaced industrial sensors. For a more complete specification and user manual visit www.emmtek.co.uk.

RMC121-SMS Bridge Specification	
Input Supply Voltage:	5V5 to 30V DC
Current Consumption:	35 mA Network Registered Peak current up to 1A when sending information All readings are approximate and averaged
Case Dimensions :	64mm wide (excluding mounting lugs) x 122mm long x 30mm tall. Total width inc. lugs 95mm. Case is natural anodised aluminium.
Antenna Connector:	SMA Connector
SIM Colder Holder:	Locking Amphenol
SIM Card:	Any Contract or PAYG SIM (Not provided)
Data transfer protocols available:	GPRS, UDP, FTP & HTTP Push
Surface Finish:	Natural anodized aluminium, weather proof label.
Operating temperature range:	-20 to +60 degrees C (non-condensing)
Storage temperature range :	-25 to +70 degrees C

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Continuous product development means specifications can change. Please ask for the latest data. 15Nov2011