

# M!DGE

## GPRS/EDGE/UMTS Router



Press release

1<sup>st</sup> February 2012

### M!DGE - industrial 3G router for SCADA applications

**RACOM** is launching **M!DGE**, a modern industrial-strength **3G router**. M!DGE has been developed primarily for data transmission in SCADA applications, but can be used wherever wireless data transfer reliability is paramount. As with other RACOM products, M!DGE is one of the best products in its class available on the global market.

M!DGE can use all the services provided by mobile operators, from **GPRS** to **HSDPA** on all the usual frequency bands. The user has at their disposal two **Ethernet** ports, an RS232 serial port, two digital inputs & two digital outputs as well as a USB interface. A dual power supply ranging from 10.2 to 57.6 VDC, wide-ranging operating temperatures from -25 to 70 °C, and a metal casing with an integrated SIM card cover predispose M!DGE for deployment in very harsh industrial environments.

M!DGE is a native-IP router with multiple interfaces. Ethernet ports can be configured either as a switch within a single **LAN** or as physically separate interfaces for two different LANs or for a **WAN+LAN combination**. This allows great deployment flexibility as required by specific applications, e.g. to back up a wired connection over the 3G operator network. The **M!DGE** software router has been developed with a strong emphasis on transmitted data security, implementing the most widely used standards such as **IPsec** and **OpenVPN** tunnels, where the M!DGE router can serve as a **VPN server**. The M!DGE router solution can be made even more reliable by connecting up the **dual power** supply (switching over if one power supply fails), but also by doubling up the routers using the **VRPP** virtual interface.

M!DGE in **SCADA** networks can be used in combination with **MG102** <http://www.racom.eu/eng/products/gprs-router-mg102.html>, another **GPRS/EDGE/UMTS** router from RACOM, which also offers the option of using two separate SIM cards with automatic switchover, in the event of an outage in one network. Quite unrivalled is the possibility of creating hybrid GPRS and radio networks. M!DGE routers together with **RipEX** <http://www.racom.eu/eng/products/radio-modem-ripex.html> radio modems, also produced by RACOM, allow the creation of **hybrid GPRS and radio** networks. This unique feature allows you to create networks that meet the highest requirements for security and reliability, even when the GPRS service is not available or does not meet your application requirements in some territory locations. The M!DGE router can be controlled through an easy **web interface**, while for advanced users there is a **CLI interface**. All important system information is stored in log files, which facilitates troubleshooting and, if required, co-operation with RACOM technical support.

A solution unique to RACOM is to allow the use of addressed access to many **SCADA protocols** (Modbus, IEC101, DF1, DNP3, etc.) on the serial interface. We're constantly working to expand the software and hardware options of the M!DGE router to meet ever growing application demands.

M!DGE is suitable for all **SCADA** and **telemetry** applications e.g. in manufacturing and in the distribution of electricity, water, gas and other utility products, in transaction networks of ATMs and POS terminals e.g. lotteries, as well as in all other applications using the data service provider network - <http://www.racom.eu/eng/products/gprs-router-midge.html>

#### About RACOM

RACOM manufactures three main product lines: Radio Modems, GPRS/EDGE/UMTS/HSPA Routers and Microwave Links. RACOM has been on the market for over 20 years and is today one of the leading players in the global market of data transfer for SCADA & Telemetry applications and plays a significant role in setting development trends in this field.

Thousands of RACOM radio and GPRS routers cover the world from the poles to the equator in dozens of countries. Further information can be found at <http://www.racom.eu>

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