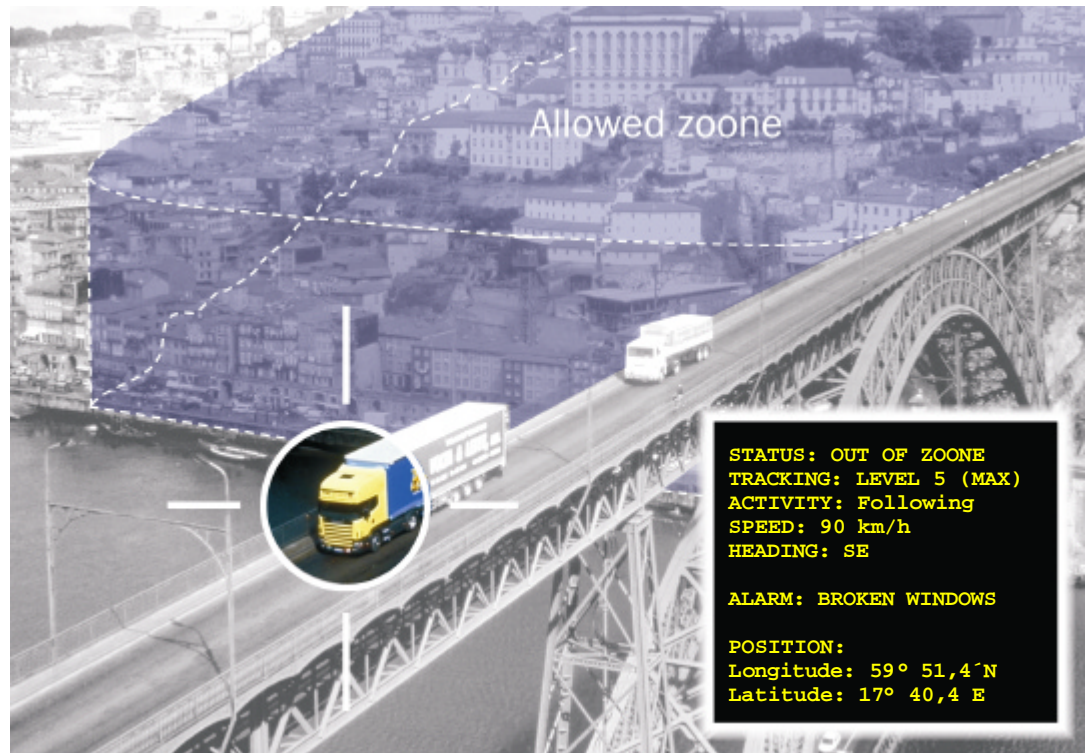


## Cellular phones for machines



### Key features

- 12 channel GPS
- Dual band GSM engine (GSM 900/ 1800)
- SMS and CSD
- Robust aluminum case
- 4 digital outputs
- 6 isolated digital inputs
- 9 - 36 V DC single power supply
- RS232 and RS485 serial interface (optional CAN-2.0B)
- An easy-to-use ADK (Application Development Kit)

**licera**  
**MTU-5g**

**MTU-5g (Machine Telematic Unit) is an M2M (machine-to-machine) communication device designed to bring wireless connectivity to machines and for remote management. The MTU-5g is a part of the Licera M2M terminal program designed to meet a broad range of applications within the professional industry. By downloading our turn-key applications or develop your own using our ADK, the MTU-5g can include wireless telematics in your strategy.**

### Typical applications

The MTU-5g is easily integrated into a broad range of industrial applications, such as surveillance of process parameters, rate of consumption, elevator control, access controls and much more. MTU-5g is equipped with a 12 channel GPS, making it suitable for applications where the geographic position is a key parameter.

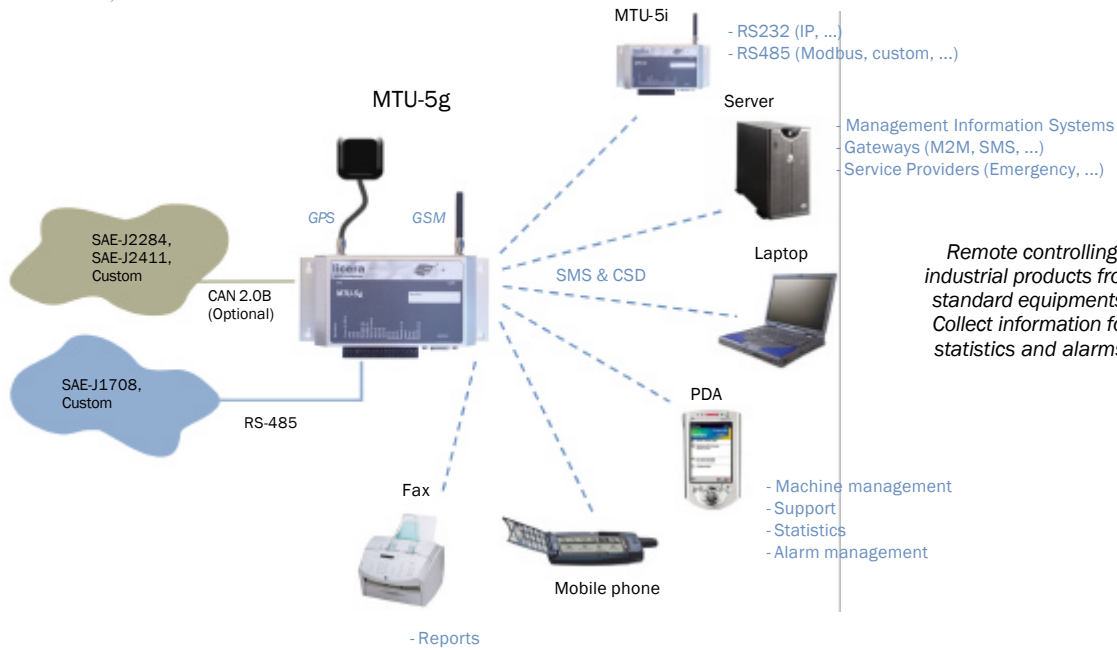
### Data storage and communication

MTU-5g is able to store a large amount of data which later can be processed by the MTU-5g or uploaded to a management system for statistical analysis. The MTU-5g can use both SMS and CSD (Circuit Switched Data), which makes a cellular phone suitable as a remote control.

### Turn-Key applications vs. developing your own

Our Turn-Key applications are designed to meet a broad range of standard tasks, like measuring rate of consumption in a process, sending alarms based on statistics, handle periodic tasks like turning systems on and off on a minute-by-minute basis, all remotely controlled from all over the world, as long as you have the right access code. For applications where our Turn-Key solutions are not applicable and you have your own skill in C, we provide an ADK (Application Development Kit). Our experience of developing applications, we have a wide spectrum of software modules which will shorten your development time drastically, and help you focus on the key issue of your application.

MTU-5g designed for Heavy-Duty Vehicle Applications (VTU-5g - Vehicle Telematic Unit)



Remote controlling industrial products from standard equipments. Collect information for statistics and alarms.

### Technical data

Dimensions	167 x 65 x 40 mm
Weight	260 g
GPS	12 channels
GSM	SMS and CSD
SIM card	small
Band	dual band 900/ 1800MHz
RF power	2W (900MHz)/ 1W (1800MHz)
Input Vdc	9 Vdc - 36 Vdc
Operating temperature	-20 to +55 °C
Storage temperature:	-40 to +85 °C

### RS-232 Interface (EIA/TIA-232-F)

D9 female connector  
Supported baud rates: 2400 - 19 200  
Flow control: CTS/RTS or none

### RS-485 Interface (EIA-TIA RS485)

Socket connector (D+, D-)  
Supported baud rates: 4800 - 38 400

### Antennas

GPS: SMA (female)  
GSM: SMA (female)

### Digital inputs (6)

Socket connector  
Optically isolated  
Levels: 0 - 1V (Low), 2 - 40V (High)

### Digital outputs (4)

Socket connector  
Low-side switch type (max 40V load)

### Compliance

- EMC compliance:
- EN 50081-1
  - EN 55022, class B
  - EN 50082-2
  - EN 61000-4-2, -3, -4, -5
  - ENV 50204

### Deliverables

- This product ships with:
- MTU-5g
  - 18-pin socket
  - User manual
  - Serial cable (3m)
  - Handsfree

### Order Number

5003 00002 0 (MTU-5g)  
6015 00000 2 (GSM antenna)  
6015 00001 3 (GPS antenna)

### Related products

ADK for MTU-5g  
MTU-5 (no digital inputs and outputs)  
MTU-5i (digital inputs and outputs)

DISTRIBUTORS NEAR YOU

# licera

Licera AB  
Teknikringen 1C  
SE-583 30 LINKÖPING  
Sweden  
Phone +46 13 - 36 39 20  
Fax +46 13 - 36 39 21  
info@licera.com  
www.licera.com