

Cellular phones for machines



Key features

- Dual band GSM engine (GSM 900/ 1800)
- SMS and CSD
- Robust aluminum case
- 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-5

MTU-5 (Machine Telematic Unit) is an M2M (machine-to-machine) communication device designed to bring wireless connectivity to machines and for remote management. The MTU-5 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-5 can include wireless telematics in your strategy.

Typical applications

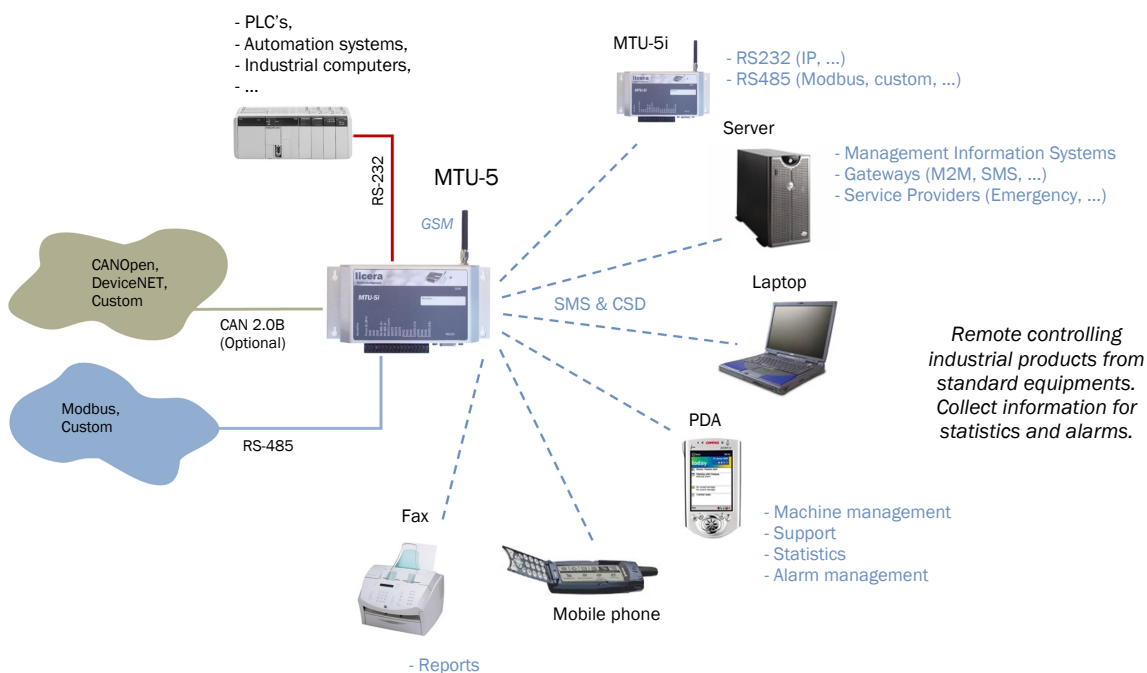
The MTU-5 is easily integrated into a broad range of industrial applications, such as surveillance of process parameters, rate of consumption, elevator control, access controls and much more. The MTU-5 is designed to work as a ordinary GSM-modem, SMS-modem, an RS-485 - GSM gateway, a transparent serial line or a wireless access gateway to a machine.

Data storage and communication

MTU-5 is able to store a large amount of data which later can be processed by the MTU-5 or uploaded to a management system for statistical analysis. The MTU-5 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.



Technical data

Dimensions	167 x 65 x 40 mm
Weight	240 g
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

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-5
- 6-pin socket
- User manual
- Serial cable (3m)
- Handsfree

Order Number

5003 00000 8 (MTU-5)
 6015 00000 2 (GSM antenna)

Related products

ADK for MTU-5i
 MTU-5i (digital inputs and outputs)
 MTU-5g (GPS, digital inputs and outputs)

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

GSM: SMA (female)

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