



ENAIKOON M2M-commserver version 5.2

Communication server for M2M applications

The ENAIKOON M2M-commserver is the core component of the ENAIKOON infrastructure. This application is responsible for the data exchange between various telematics applications and ENAIKOON's telematics hardware and ENAIKOON's mobile phone apps.

Most of ENAIKOON's customers use the ENAIKOON M2M-commserver operated by ENAIKOON. This data sheet applies to those who intend to operate ENAIKOON's telematics hardware in conjunction with their own server.

The ENAIKOON M2M-commserver allows data exchange with telematics hardware through GPRS, as well as text message (SMS), e-mail, or Inmarsat.

With GPRS, the monthly cost for data transmission is typically less than € 5 per month even if the GPS position and other vehicle related data are being transmitted every few kilometres to the ENAIKOON M2M-commserver. This includes the monthly fee for the local SIM card in the customer's home country.

The ENAIKOON M2M-commserver provides the previously stored data to various ENAIKOON applications, like inViu pro, inViu web, inViu touch, ENAIKOON can-66, ENAIKOON buddy-tracker, ENAIKOON v-locator-mobile, and many more.

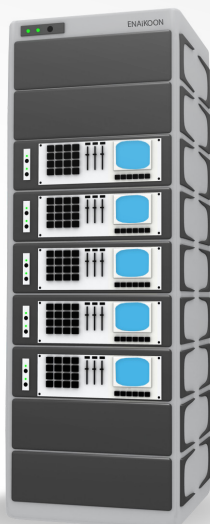
The data exchange with these applications is handled through direct database access and the ENAIKOON M2M-commserver runs on top of a MySQL database.

For data exchange with third-party software, the ENAIKOON data-forwarder is used. Further details can be found in the ENAIKOON data-forwarder data sheet.

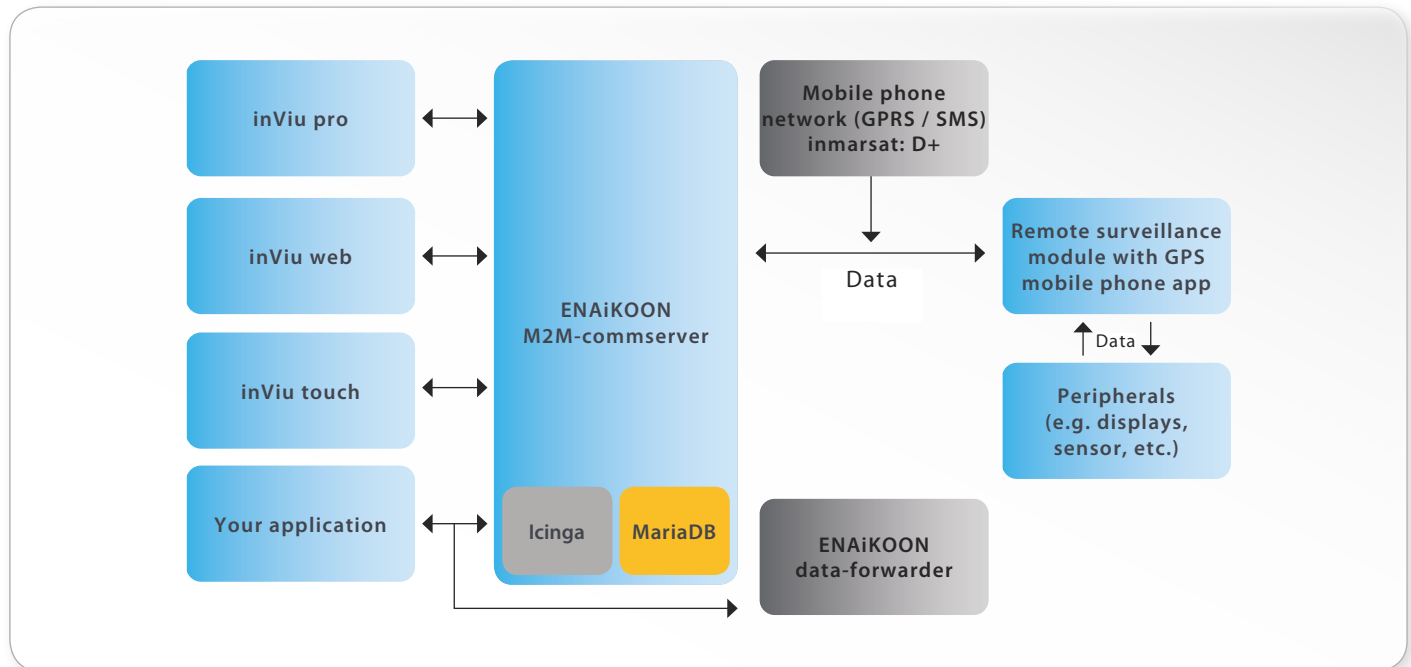
The ENAIKOON M2M-commserver stores all transmitted data for a predefined period (18 months by default; this period can be extended for an extra fee).

In addition, the application normalises all incoming data before it is saved. This means that the application developers do not need to know, which type of hardware the data comes from and the telematics hardware developers do not need to know, which applications will use this data.

For the user, this means that the time to market for new hardware and new applications is very short and the products are very stable, right from the beginning. The ENAIKOON M2M-commserver has been implemented in JAVA.



Functionality diagram



Features

- **A MariaDB database**
version 5.3 is extremely reliable and powerful
- **Icinga server surveillance**
our redundant servers are checked for full functionality every 30 seconds, and if a server fails, multiple system administrators receive an immediate e-mail warning
- **Load-balancing capability**
the full scope of software is fully load-balancing capable, which means that each application process can be handled by multiple servers at the same time, and allows you to take over jobs of a defective server instantly and automatically without any disadvantage to the users
- **Replication**
if you operate servers in different locations, then you can replicate the latest data to all servers in real-time
- **Queue**
each system process provides waiting queues for tasks, which allows the handling of a large amount of data in cases of emergency (e.g. after the crash of a GSM network)
- **OpenStreetMap® support**
through the integration of OpenStreetMap®, ENAIKOON customers can enjoy access to the mapping data of the world's largest map provider
- sending the data from a Linux server on the internet to any ENAIKOON telematics hardware through GSM or Inmarsat
- sending the data from ENAIKOON telematics hardware to a Linux server through GSM or Inmarsat
- sending of the data from a Linux server to a GPS mobile phone with ENAIKOON's software through GPRS and vice versa
- significant cost saving due to GPRS support
- substantial cost savings due to high compression of the data to be transmitted between the web server and the ENAIKOON telematics hardware / the ENAIKOON mobile phone apps
- secure data transmissions between the ENAIKOON M2M-commserver and ENAIKOON telematics hardware or GPS mobile phones with ENAIKOON software is encrypted as well as the data transmission between the ENAIKOON M2M-commserver and applications
- on the server side, ENAIKOON's tracking devices can be used for text message (SMS) communication as well as an SMS-C gateway
- the software and the parameters in the tracking devices can be updated separately or in groups via GPRS
- all data is stored in an Icinga database for 18 months (extension possible on request)

Products and prices

Product	Part no.	Product description	Price
ENAIKOON M2M- commserver unlimited license	MMC-03-04	Unlimited software license for the ENAIKOON M2M-commserver; no time restrictions. This license includes the support of 10 trackables (M2M-03-48).	€ 27,000.00
ENAIKOON M2M- commserver installation	MMC-03-05	Installation of the software on a Linux or Windows server with a fixed IP address. Remote access to be supplied by the customer. (a prerequisite for ENAIKOON to service the system)	€ 2,980.00
ENAIKOON M2M- commserver mirror installation	MMC-03-09	Installation of the software on a Linux or Windows server with a fixed IP address. Remote access to be supplied by the customer. Configuration of the server, as a mirror of the main server requires MMC-03-05. (a prerequisite for ENAIKOON to service the system)	€ 5,980.00
ENAIKOON M2M- commserver support	MMC-03-07	24h remote service for the server, includes all software updates. The administration of the system is not included in the price and is normally carried out by the user.	€ 29.00 per vehicle per month
ENAIKOON M2M- commserver web service	M2M-03-24	Monthly user fee for ENAIKOON M2M-commserver minimum contractual duration: 24 months 1-24 pcs 25-99 pcs 100-249 pcs > 250 pcs	€ 24.90 € 22.90 € 19.90 € 17.90
ENAIKOON M2M- commserver web service	M2M-03-48	Monthly user fee for ENAIKOON M2M-commserver minimum contractual duration: 48 months 1-24 pcs 25-99 pcs 100-249 pcs > 250 pcs	€ 19.90 € 17.90 € 14.90 € 12.90