

# Leica M-Com

Plug & Play solutions for  
monitoring communication



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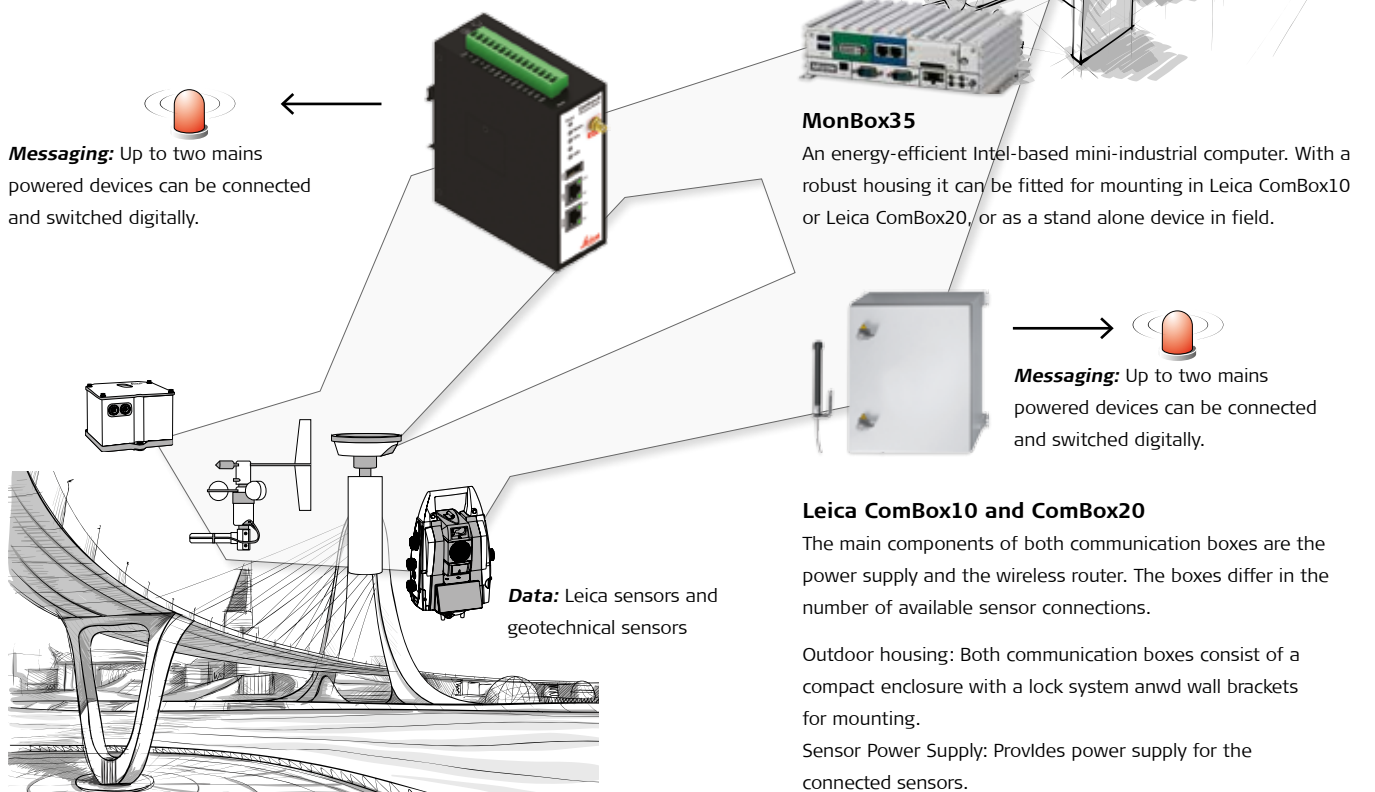
The Leica M-Com series are the first compact plug & play solutions for monitoring communication. The Leica ComBox and Leica Comgate provide the communication from the sensors in the field to the internet. To keep the monitoring system running during communication breakdowns, the optional MonBox enables Leica GeoMoS to run on-site in an integrated embedded computer.

The Leica M-Com series offers easy installation, reliable communication, connection of multiple sensors and external devices. This increases the mobility for periodic or short term monitoring systems.

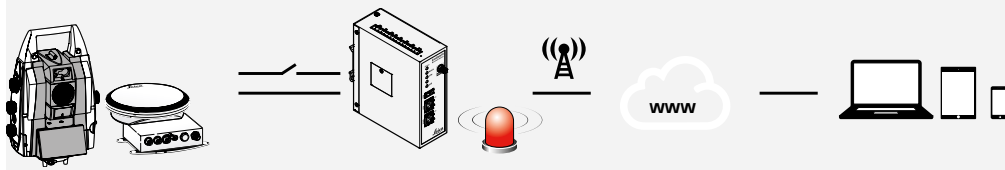
## Leica M-Com components

### Leica ComGate10

A low power consumption mobile internet router that establishes a high speed and reliable TCP/IP communication line for sensor configuration and data acquisition with Leica Geosystems monitoring software. Offers communication fallback, digital input / output and SMS management support.



## Use case: Simple monitoring systems



### Up to two sensors can be connected to one box:

- Total Station
- MultiStation
- GPS/GNSS sensor
- Nivel
- Geotechnical sensors

### Leica ComGate10:

- Transmits the acquired measurement data with a mobile router to the internet
- Remote on/off switch control for one device

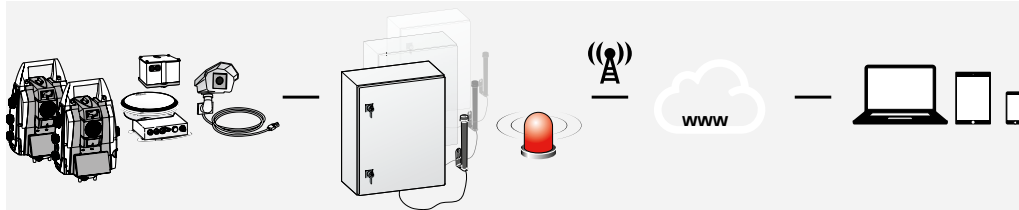
### Office:

- With Leica GeoMoS Monitor and Leica GeoMoS Now! the data can be analysed and visualised

### BENEFITS:

- Simple sensor connectivity via serial or USB
- TCP/IP connection via mobile Internet or WAN/LAN
- Communication fallback with secondary line
- Provides sensor cold boot

## Use case: Advanced monitoring system



### Up to four sensors can be connected to one box:

- Total Station
- MultiStation
- GPS/GNSS sensor
- Nivel
- Geotechnical sensors
- PoE Webcam

### Leica ComBox10 & ComBox20:

- Mobile data connection (GPRS/UMTS) to the Internet
- PoE webcam and integrated meteo sensor for ComBox20
- Remote on/off switch control for two devices (ComBox20 only)

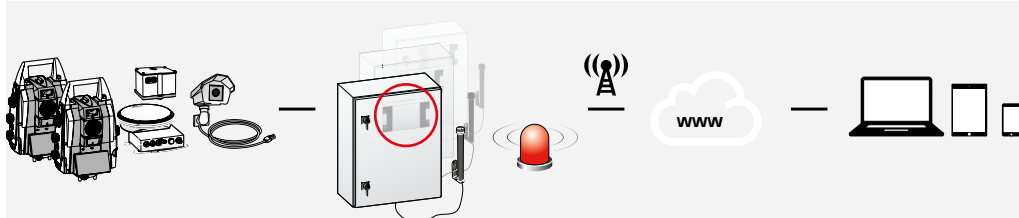
### Office:

- With Leica GeoMoS Monitor and Leica GeoMoS Now! the data can be analysed and visualised

### BENEFITS:

- Simple "plug and play" Installation
- Pre-configured communication boxes with cables, power supply and housing
- Fast and flexible sensor connectivity to mobile internet
- Messaging with main powered devices (only ComBox20)
- Multiple ComBoxes for large projects possible

## Use case: Intelligence in the field for remote or critical applications



### Up to two sensors can be connected to one box:

- Total Station
- MultiStation
- GPS/GNSS sensor
- Nivel
- Geotechnical sensors
- PoE Webcam

### Leica ComBox & MonBox:

- Mobile data connection (GPRS/UMTS) to the Internet
- Messaging (SMS, E-mail) directly from field using MonBox35
- PoE webcam and integrated meteo sensor for ComBox20
- Remote on/off switch control for two devices (ComBox20 only)

### Office:

- Connect remotely to MonBox35
- Use GeoMoS Now! to analyse and visualise data

### BENEFITS:

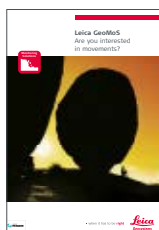
- Data acquisition in the field
- Keeps running when communication link is down
- Remote configuration
- Messaging functionality (SMS, E-mail)
- Data available online

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for premium products and innovative solution development, professionals in a diverse mix of industries, such as surveying and engineering, safety and security, building and construction, and power and plant, trust Leica Geosystems to capture, analyse and present smart geospatial data. With the highest-quality instruments, sophisticated software, and trusted services, Leica Geosystems delivers value every day to those shaping the future of our world.

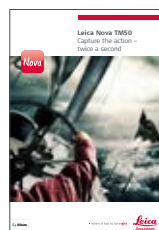
Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.



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**Software/services:**  
Leica GeoMoS  
Leica GeoMoS Now!



**Total Stations:**  
Leica Nova MS60  
Leica Nova TM50  
Leica Viva TS16



**GPS/GNSS:**  
Leica GMX901plus  
Leica GMX902 Series  
Leica GM30



**Other:**  
Leica Nivel210/220

**Leica Geosystems AG**  
[www.leica-geosystems.com](http://www.leica-geosystems.com)



- when it has to be **right**

**Leica**  
Geosystems