

# Leica ComGate20

## Plug & Play solution for monitoring communication



### Modern communication gateway

The Leica ComGate20 is a mobile gateway for reliable, flexible and permanent (24/7) communication between the office and sensors in the field for any monitoring project. It uses the latest proven industrial communication technology with high performance for monitoring sensor connectivity.



### Simple sensor connectivity

Offering multiple simultaneous connections of monitoring sensors, the ComGate20 can connect to a total station, a GNSS antenna and a meteo sensor or a Leica Nivel inclination sensor for example. Additional and improved serial ports on the ComGate20 enables connections with specific sensors without the need of a serial converter.



### Leica specific software

All ComGate20 units come pre-installed with a Leica Geosystems OEM router software which is specially designed to work smoothly with all Leica Geosystems monitoring sensors as well as third party sensors. The OEM router software also ensures full compatibility with current and upcoming Leica GeoMoS software suite features and technology.

[leica-geosystems.com](http://leica-geosystems.com)



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## CONNECTIONS

|                              |  |
|------------------------------|--|
| Mobile / Cellular technology | LTE CAT4, UMTS, GSM for EMEA (Europe, Middle East and Africa)<br>4G - LTE, 3G - DC-HSPA+/UMTS, 2G - GSM/GPRS/EDGE<br>Antenna ports 2x2 MIMO (2x SMA female connectors)<br>2x Micro SIM - 3FF |
| Wireless LAN                 | 1x Single-band WLAN 2.4 GHz (IEEE 802.11b/g/n)<br>Antenna ports 2x2 MIMO (2x SMA female connectors)  |
| Ethernet                     | 4x RJ45 10/100 Mbps  |
| USB                          | 1x USB 2.0 Host (Type A)   |
| Serial                       | 1x RS-232; signals TX, RX<br>1x RS-232/485 combo (software switchable); signals A, B<br>Both on terminal block header 3.5 mm (screw locking)   |
| I/O                          | 4x Digital I/O (2x DI, 2x DO)<br>All on terminal block header 3.5 mm (screw locking)   |

## POWER MANAGEMENT

|                   |  |
|-------------------|--|
| Input voltage     | Nominal 12 VDC (12 to 24 VDC +/- 20 %)<br>Terminal block header 3.5 mm (screw locking) |
| Power consumption | 7 W (average), 10 W (max)  |

## TECHNICAL AND ENVIRONMENTAL DATA

|                        |  |
|------------------------|--|
| Mounting               | DIN-Rail   |
| Dimensions (W x H x D) | 45 mm x 134 mm x 121 mm  |
| Weight                 | 450 g  |
| Operating temperature  | -40°C to +70°C   |
| IP Rating              | IP40   |
| MTBF                   | 300'000 h according SN29500 at environmental temperature 40 °C |
| Onboard software       | Leica OEM router software                                      |

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