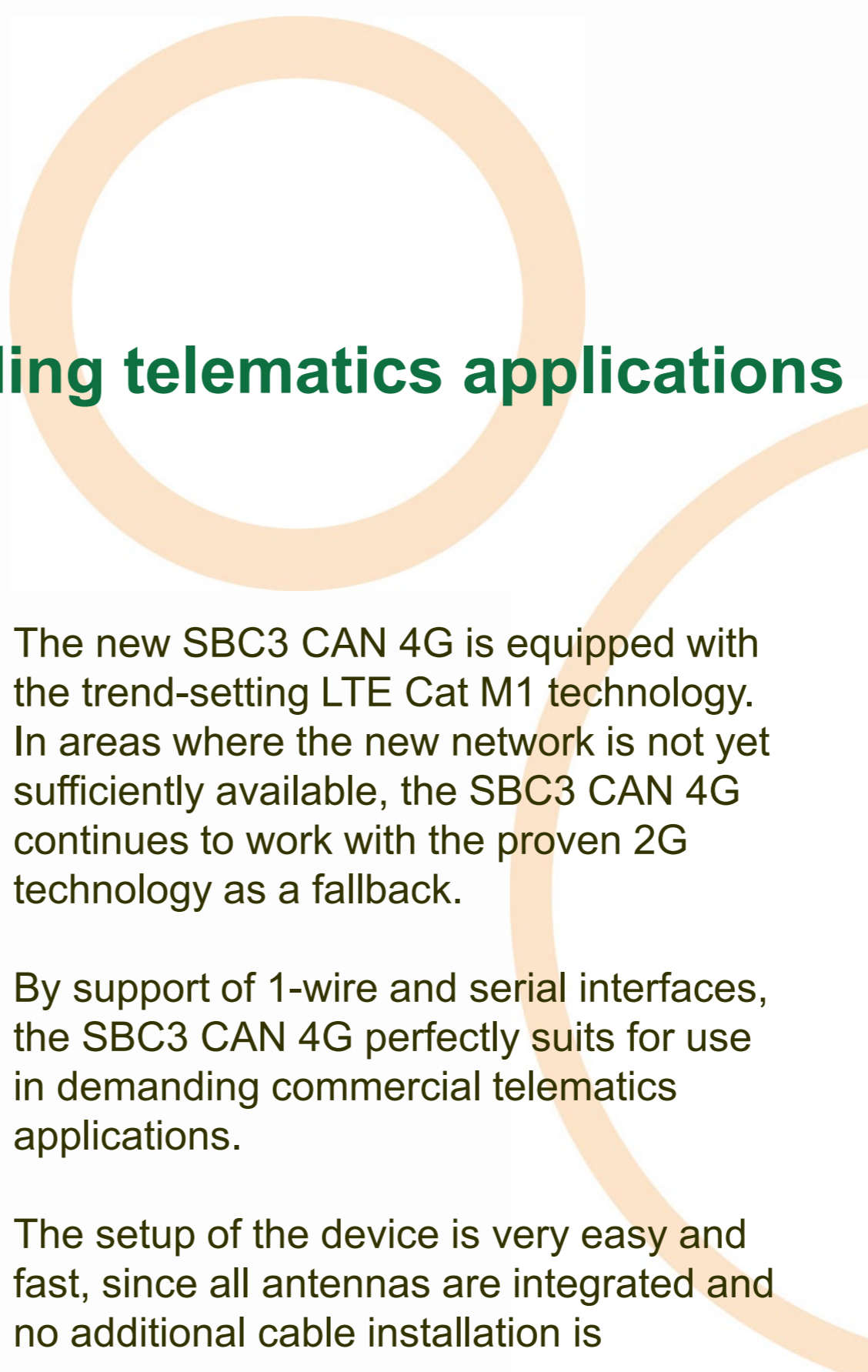


## SBC3 CAN 4G

### The robust device for demanding telematics applications



The new SBC3 CAN 4G is equipped with the trend-setting LTE Cat M1 technology. In areas where the new network is not yet sufficiently available, the SBC3 CAN 4G continues to work with the proven 2G technology as a fallback.

By support of 1-wire and serial interfaces, the SBC3 CAN 4G perfectly suits for use in demanding commercial telematics applications.

The setup of the device is very easy and fast, since all antennas are integrated and no additional cable installation is necessary.

The combination of the American Navstar GPS and the Russian Glonass leads to a very precise positioning and a fast first fix.

With its robust IP6K6K housing, the device is also suitable for outdoor use under poor environmental conditions.

#### Typical applications

- Fleet management
- Trailer telematics
- Predictive maintenance
- Tracking of stolen vehicles
- Driver identification

#### Tracking of...

- Commercial vehicles
- Trailer
- Construction machines and agricultural machinery

#### Key benefits

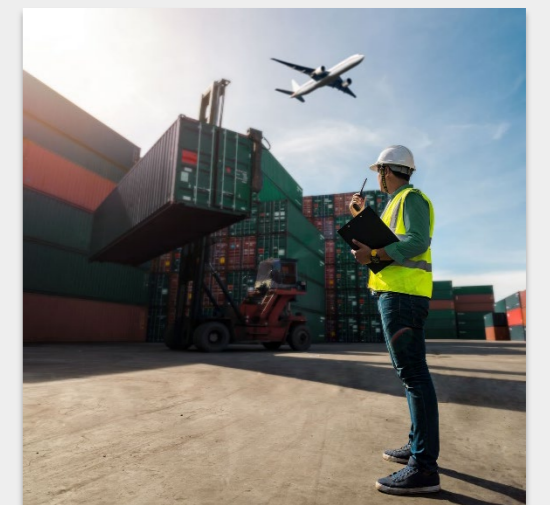
- Modern and trend-setting LTE Cat M1 technology with proven 2G fallback
- GNSS, based on a combination of GPS und Glonass ensures a more precise location and a faster first fix
- Simple installation of the devices, since all antennas are integrated in the device
- Interfaces for connecting sensors and external devices
- Very low power consumption in sleep mode
- An integrated backup battery allows the device operation even without external power supply
- The SBC3 CAN 4G begins to operate immediately after receiving main power, even after long non-operating times and depleted backup battery
- Water- and dust protected housing IP6K6K for operation in rough environmental conditions

#### Prepared for:

- Data transmission via NB IoT
- Data security concepts
- Data transmission via Flat Buffer



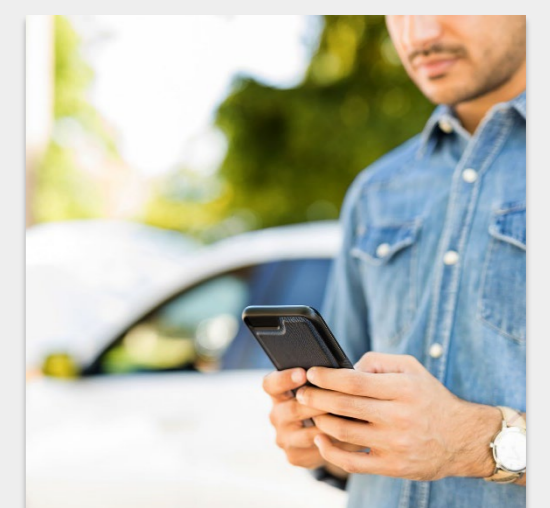
Fleetmanagement for commercial vehicles



Tracking of containers



Construction machines



Carsharing



## SBC3 CAN 4G

### Cellular / GNSS

- LTE Cat M1 / EGPRS  
2G as fallback
- GPS | GLONASS
- Receiver type: 72-channel GNSS receiver
- GNSS sensitivity: -167 dBm
- Positions acquisition time:
  - Cold: 29 sec
  - Hot: 1 sec
- Position accuracy: 2.5m CEP50

### Software

- Software **Download Over The Air** (DOTA)
- Device-configuration: TCP/IP, serial interface or SMS
- FTP configuration file download
- Event based wake up: time / motion/ input based
- Event-based reporting based on time, duration, distance, course change
- Up to 50 rectangular geofence zones
- Memory capacity for messages: ~20.000 (only positioning data)
- Data transmission modes: TCP/IP and SMS
- RS232 transparent mode & support of local RS232-protocols
- 3-Level Watchdog System
- CellLocate Mobile Communication in LTE Cat M1 (optional)
- Driver identification for up to 50 IDs

### Accessories

Please visit our website ([www.telic.de](http://www.telic.de)) to download a complete list of accessories applicable to this product.

### Hardware features

- Extremely robust dust – and water protected housing: IP6K6K ISO 20653 for vehicles
- Integrated mobile communication – and GNSS antennas
- Integrated 3D accelerometer for motion detection
- Robust SIM card holder (1.8/3V) for Mini SIM cards
- Status indicators: 3 LEDs (mobile communication; GNSS; battery)
- Approvals: E1, CE

### Interfaces (Hardware)

- Ignition status (On/Off): 1x
- General purpose Inputs(digital/analogue): 2x  
Analog inputs 1x
- Digital outputs: 1x
- 1-Wire: iButton ID key|Temperature Sensor (DS18S20; DS18B20; DS19221)
- CAN Bus: Configurable CAN; OBD-II; FMS
- RS232: 1x for peripherals;  
1x to configure & trace

### Power consumption

- External voltage range: 7V -32V
- Battery capacity: 660 mAh (LiPo)
- Battery safety compliant with IEC 62133 for extended operating temperature range
- Typical consumption in sleep mode (external source):  $\leq 1$  mA (@12V)
- Typical consumption in sleep mode (internal battery):  $\leq 0,14$  mA

### Hardware characteristics

- Dimensions: 150x65x45 mm
- Operating temperature: -30°C bis +70°C
- Recharging temperature: 0°C bis +45°C
- Weight: 220 g