

iID® INDUSTRY IoT Gateway

IoT BLE to Cellular Gateway

- transmits data from **TELID®7** BLE sensors to **iID®cloud**
- automatic operation with minimal configuration effort
- uses global cellular IoT technologies LTE-M and NB-IoT
- optional TLS & AES-128 encryption for secure data transmission
- built-in backup battery

Microsensys' **iID®** sensor monitoring technology offers a seamless solution from data acquisition to IoT platform. **iID®INDUSTRY 0906 BLE LTE** provides the link between Bluetooth Low Energy sensors and the cloud. The gateway offers a very simple set-up paired with high flexibility, high security of data transmission and a built-in battery ensuring operation for up to 3 days in case of power outages.



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This data sheet is subject to change.
Picture may differ from original product.
DS-IND 0906 BLE LTE-001.docx

Wireless Interface BLE:

RF Communication:
Carrier Frequency:
Operating Modes:
Antenna Type:
Communication Distance:

TELID®7 long range identification and sensor system
Bluetooth Low Energy 5.0
2.4GHz ISM band (2.402 – 2.480 GHz)
Coded PHY (Long Range), 1M PHY, 2M PHY
external omnidirectional antenna, SMA connector, 50 Ω
0 ... 100 m, on sensor and environmental conditions

Wireless Interface Cellular:

SIM Card Format:
Narrowband Standard:
LTE Frequency Bands:
Antenna Type:
Sensitivity LTE-M:
Sensitivity NB-IoT:

multi-band cellular operation for world-wide use
nano SIM
LTE-M (Cat-M1), NB-IoT (Cat-NB1)
1, 2, 3, 4, 5, 8, 12, 13, 20, 28
external omnidirectional antenna, SMA connector, 50 Ω
-105 dBm
-114 dBm

Data Privacy:

Security Features BLE¹:
Security Features Cellular¹:

AES-128 encryption
TLS certificate (HTTPS)

Mechanical / Environmental:

Housing:
Material:
Protection Class:
Mounting:
Working Temperature:
Storage Temperature:

approx. 96 mm x 66 mm x 30 mm
POM (black), PC (transparent)
IP 67
mountable with 2 screws, mounting on metal surfaces possible
-20 °C ... +60 °C
-20 °C ... +60 °C, recommended 25 °C

Energy Source:

Input Voltage:
Power Connector:
Recommended Power Supply:
Build-In Battery:
Battery Backup Time:

4.35 V – 5.5 V
USB Mini-B
5 V, 2 A
rechargeable Li-Ion, 26000 mAh
typ. 3 days, depending on usage

Operation:

Transmission Protocol BLE:
Transmission Protocol Cellular:
Data Synchronisation Interval:

TELID®7 beacon protocol
MQTT
15 minutes, other options on request

Product Code:

65.23.000.00

¹⁾ on request