



ITalks MCS 1608 V2 node

Datasheet

The exclusive multipurpose node for both LoRa and Sigfox

The ITalks MCS 1608 V2 LoRa and Sigfox node has been developed in order to integrate sensor functionality for various applications. It communicates with the widely available Low Power Wide Area Network (LPWAN) LoRa and/or with Sigfox.



DIFFERENT SENSORS AND OPTIONS

The product has been developed to be used with different types of applications. This V2 version is the successor of the successful V1 version. Different versions can be supplied: full, tracer, i/o, pulse, external temperature, external dual temperature, analogue and rail.

In the table on the next page you find specifications of what each device offers you.



READY-TO-USE STARTER PACKAGES

MCS can enable you to quickly start a Proof of Concept and experience the application in your client specific situation. MCS offers several starters packages, such as non-powered asset tracing, smart energy, smart environment, smart building. We can supply ITalks MCS 1608 V2 node with private connectivity plus the appropriate dashboards. White labelling of the sensors with your own logo and appearance is also possible.

Please contact our sales team to talk about your business case, our starter packages and extra options.

HIGHLIGHTS

- Node for long range LoRa or Sigfox
 - Always strongest network: LoRa and Sigfox both activated is possible
- Battery powered
- Capacity battery 9.6 Ah
- Protection class IP67 device for outdoor use
- Operating range -20 till +85 °C
- Deep sleep mode, activation by magnetic key tool
- Many accessories available for tailor made applications and/or connecting an external antenna.
- Click housing Full & Radio-only: big lid with swivel possible
- Click housing Tracer: small lid with swivel possible
- White labeling is possible



ITALKS STARTER PACKAGES FOR MANY INDUSTRIES



Applicable for several industries



| | | Full | Tracer | Radio-only | Pulse/contact | Ext. temp | Ext. dual-temp. | Analogue | Rail |
|---------|--|---------------------------|---------------------------|---------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Art.nr. | LoRa | 112001 | 112002 | 112003 | 112004 | 112005 | 112006 | 112007 | 112010 |
| Art.nr. | Sigfox | 112001S | 112002S | 112003S | 112004S | 112005S | 112006S | 112007S | 112010S |
| | Application | General purpose | Asset tracing/ GPS | Asset tracing/ Triangulation | Smart Energy | Smart HVAC | Smart HVAC | Smart Industry | Rail |
| | Temperature sensor | ✓ | | | | | | | ✓ |
| | Humidity sensor | ✓ | | | | | | | ✓ |
| | Barometer | ✓ | | | | | | | ✓ |
| | GPS receiver | ✓ | ✓ | | | | | | ✓ |
| | Accelerometer | ✓ | ✓ | | | | | | ✓ |
| | Gravity sensor | ✓ | | | | | | | ✓ |
| | Magnetometer | ✓ | | | | | | | ✓ |
| | Gauss-detector / Hall sensor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 2x digital i/o | Optional | | Optional | ✓ | ✓ | ✓ | | Optional |
| | 1Wire sensor Connection | Optional | Optional | Optional | | | | | Optional |
| | 2x analogue input | Optional | | Optional | | | | ✓ | ✓ |
| | Battery** Dimensions 9.600 mAh L x B x H mm | 9.600 mAh 78 x 63 x 38 | 9.600 mAh 68 x 63 x 38 | 9.600 mAh 78 x 63 x 38 | 9.600 mAh 78 x 63 x 38 | 9.600 mAh 78 x 63 x 38 | 9.600 mAh 78 x 63 x 38 | 9.600 mAh 78 x 63 x 38 | 9.600 mAh 81 x 74 x 46 |

EXTERNAL SENSORS

| | | | | | | | | | |
|--------------|----------------------------|----------|----------|----------|---|----------|----------|---|----------|
| 110530-temp1 | Ext. temperature sensor 1m | Optional | Optional | Optional | | ✓ | ✓✓ | | ✓ |
| 110530-temp3 | Ext. temperature sensor 3m | Optional | Optional | Optional | | Optional | Optional | | Optional |
| 110530-AIK | Analogue input cable 2,5m | Optional | | Optional | | | | ✓ | Optional |
| 110530-DIK | Digital input cable 2,5m | Optional | | Optional | ✓ | | | | Optional |