



# 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
	<b>Application</b>	General purpose	Asset tracing/ GPS	Asset tracing/ Triangulation	Smart Energy	Smart HVAC	Smart HVAC	Smart Industry	Rail
	<b>Temperature sensor</b>	✓							✓
	<b>Humidity sensor</b>	✓							✓
	<b>Barometer</b>	✓							✓
	<b>GPS receiver</b>	✓	✓						✓
	<b>Accelerometer</b>	✓	✓						✓
	<b>Gravity sensor</b>	✓							✓
	<b>Magnetometer</b>	✓							✓
	<b>Gauss-detector / Hall sensor</b>	✓	✓	✓	✓	✓	✓	✓	✓
	<b>2x digital i/o</b>	Optional		Optional	✓	✓	✓		Optional
	<b>1Wire sensor Connection</b>	Optional	Optional	Optional					Optional
	<b>2x analogue input</b>	Optional		Optional				✓	✓
	<b>Battery**</b> 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