

# SensoCom

## SensoCom DIN

by Unified Cloud Sensors

HARDWARE MODULES FOR  
SENSOFIELD CLOUD SOLUTIONS



## SensoCom, SensoCom DIN

The hardware modules **SensoCom** and **SensoCom DIN** used by the SensoField Cloud service, connect the source of data (Indicators, PLCs, HMIs) via a wireless delivery to the cloud server where the data are securely stored and elaborated.

The collection of data is done through the available ports RS-232, RS-485, Ethernet or analog connections using some of the existing protocols. The SensoCom uses a wireless technology known as LPWAN and with the use of the standard NB-IOT for the transfer of data to the cloud server.

The SensoCom module can desktop, wall attached via screws or the version SensoCom DIN on a DIN rail.

## SensoField Cloud Solutions

The modules **SensoCom**, **SensoCom DIN** and the service **SensoField Cloud** are part of the application solutions **SensoField Cloud Solutions** for the remote monitoring and diagnostic. The solutions are implemented in a wide range of industrial and agricultural applications as for example the **SensoWeight**, used for the remote monitoring and diagnostic of weighing systems (weighbridges, screwfeeders, beltscales, etc.) or the **SensoSilo** for the remote monitoring of weighing silos.

## Technical parameters

Power supply:	8 – 36V DC
Serial ports:	RS-232, RS-485
Baud rate:	2400, 4800, 9600, 19200, 38400, 115200 (bit/s)
Comm. protocols:	Modbus, ASCII
Comm. standards:	NB-IOT
Comm. frequencies:	832-862 MHz (Uplink) 791-821 MHz (Downlink)
Operating temperature:	-20 to +60°C
Installation:	desktop, wall or DIN
Dimensions:	152 x 94 x 45mm (wxdxh)
Dimensions (DIN):	54 x 63 x 90mm (wxdxh)
Weight:	250 g
Weight (DIN):	100 g

### USED TECHNOLOGIES

#### LPWAN (Low Power Wide Area Network)

Wireless network technology for the data transfer of digitized data at very long distances with high reliability and low energy consumption.

#### NB-IOT (Narrow Band Internet of Things)

Standard for the networks LPWAN used by the mobile network in the 4G and 5G networks.