

Inpro Multicom: Technical characteristics

MULTICOM GPRS/NB/LTE base and gateway

Code: 06110000200000
Com. NB-IOT / LTE / CAT-M1 & GPRS.
Netw¹: For other band, please consult.
BLE device setting
NB to satellites
Input: 2 Digital Opto – isolated
1 Analog (4 / 20 mA)
Output: 1 free voltage relay output
Power: Micro USB connector to external power source.
Enclosure: Optional
Back up battery: included
SIM: Nano SIM - not included



NSTE: NB Enhanced Satellite

Code: 06110000200003
Communication: NB (Narrow band) to Gateway.
868Mhz. BLE device setting
Input: 2x Digital Optoisolated
1 Analog (4 / 20 mA)
Output: 1x free voltage relay output
Power: Internal battery
Enclosure: Optional”



NST: NB Multisensor Mini Satellite

Code: 06110000200002
Communication: NB (Narrow band) to Gateway.
868 Mhz. BLE device setting
Input: up to 4x Digital Optoisolated
Sensors: – Accelerometer – Magnetic sensor
– Light sensor – Temperature
Optional GPS



1: • SMS

• Cells positioning for GSM

• Bands LTE: B1/ B2/ B3/ B4/ B5/ B8/ B12/ B13/ B18/ B19/ B20/ B26/ B28 (global)

Bands CAT-M1: B39

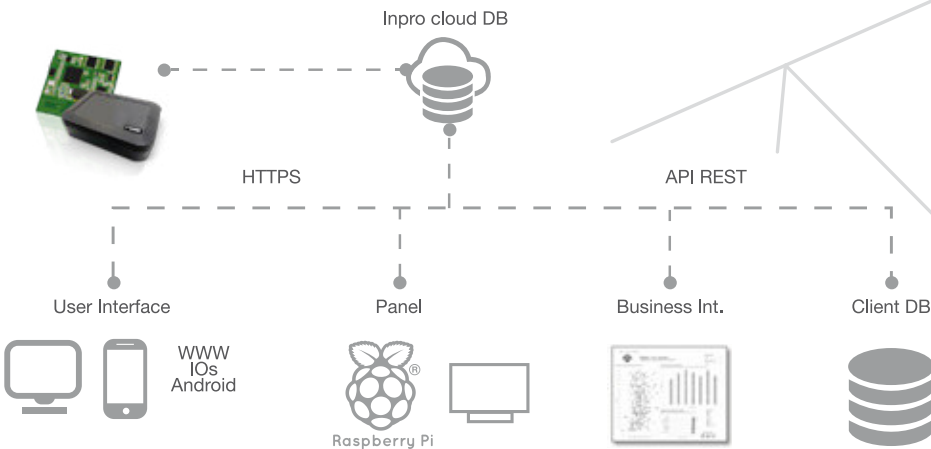
Bands GPRS: 850/900/1800/1900Mhz

• External Antennas for NBIOT, CAT-M1, GPRS, and for NB

• Certifications: CE/GCF/FCC/PTCRB/Verizon/AT&T/T-Mobile*/RCM/Telstra/IFETEL/IC/BELL*/Telus/JATE/TELEC/KDDI/KC/SKT*/CCC/Vodafone/IMDA/Deutsche Telekom/Telefonica/SoftBank

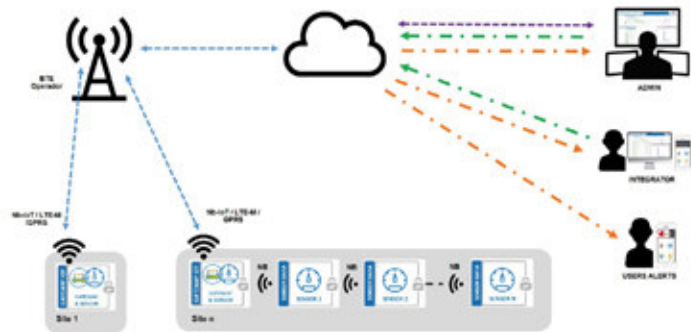
AIC: Inpro Cloud Server Access

Code: 06110000200004
Web access: For device monitoring and setting
App access: For iOS and Android (read only)
3 access mode: Administrator, read-only and console.



Inpro Multicom: Highlighted features

- **Availability of communications**, no matter where the sensors are located. They communicate under tough conditions: large distances among sensors and gateway, indoor and underground locations.
- There is no interference between networks to allow several networks to exist several networks in closed locations.
- Safe and effective **communications cost management**, to use only one SIM card per Gateway (site), no matter the number of sensors are connected.
- Very **low power consumption** for the Nb-IoT technology itself.
- The **efficient network topology** of INPRO-nbIoT solution, is based in a Master / Slave topology. The master or Gateway receives the signals, via NB communication (narrow band), from the satellites (sensors slaves) which are connected to the “thing” to monitor, then data are sent to the cloud via NBIOT / GSM transmission.
- **Practically limitless growth potential** as the slave satellite sensors to connect to one Gateway or Master.
- In addition, the **Multicom Gateway or Master can operate also as slave**, directly capturing the data from sensors connected to it.
- All devices can be configured locally by BLE connection.
- Data monitoring via
 - o Web server or
 - o IOS & Android Smartphone applications, to be perfectly identified for its ID number, position in a map or geo positioning.



Your advantages:

Operating costs reduction and service quality monitoring.



Automated data collector



Monitoring and alarms Management



Multi-Device monitoring



BI, Data Analytics, Reporting

Customer relationship management.



Added value for Public Tenders



24,7



SLA Objective measurement



On-line availability