

InduBox GSM M4_wireless technologies for optimal coverage (LTE Cat1 & LTE-M)



The InduBox GSM M4 modem is a versatile communication device designed to provide a flexible data communication solution for an industrial environment. The InduBox GSM M4 modem contains a number of options to accommodate different communication speeds, power supplies and interfaces.

This modem has an extended TCP/IP stack implementation, and is able to connect non-IP devices to an IP network over an Ethernet or WAN link. The modem can also act as SCADA RTU mapping IEC 60870-5-104 objects to Modbus registers.

- **ENCLOSURE**

(without connector cover): 145 x 108 x 71 mm

- **POWER SUPPLY**

85-264 AC or 9-25V DC

- **USER INTERFACE**

Remote & local (Ethernet) Https GUI configuration

- **COMMUNICATION**

Option 1: HL7692 – FDE band LTE Cat-1 with dual band GSM/GPRS/EDGE fallback

Option 2: RC 7620 – LTE Cat. 1 with dual band GSM/GPRS/EDGE fallback

LTE Cat. M1 NB IOT2 possible

SIM card holder internally

External antenna on FME (or SMA) connector.

- **INTERFACES & CONNECTORS**

RS-232 full V.24, non-isolated (also used for debugging)

RS-232 3-wire, galvanically isolated

RS-485 2-wire, galvanically isolated

LAN 10/100Mbps/s

FME/ SMA connector for antenna

- **ENVIRONMENTAL**

Temperature in use -25°C / + 55°C

Humidity in use 10% - 75% (non-condensing)

- **ENGINE & MEMORY**

ST STM32F4 Cortex-M4 processor

64KB FRAM [8.192*8bit]

2Mbit EEPROM [(262.144*8bit)]

- **FEATURES**

Authentication and Data Encryption via TLS (Transport Layer Security)

Transparent communication: Socket Server & Client

Routing

IEC 60870-5-104 / Modbus mapping

Configuration: local and remote

Data transfer: MQTT(S) 3.1

Data transfer: Modbus RTU & Modbus TCP

Data transfer: IEC 60870-5-104

Firmware update: local and remote

RTC

Graphical User Interface available

Industrial Housing

- **CERTIFICATION**

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InduBox GSM M4 PRODUCT LETTER