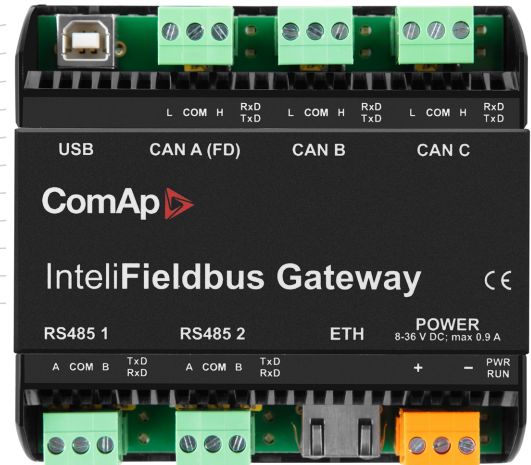![ComAp logo - The heart of smart control]

# InteliFieldbus Gateway



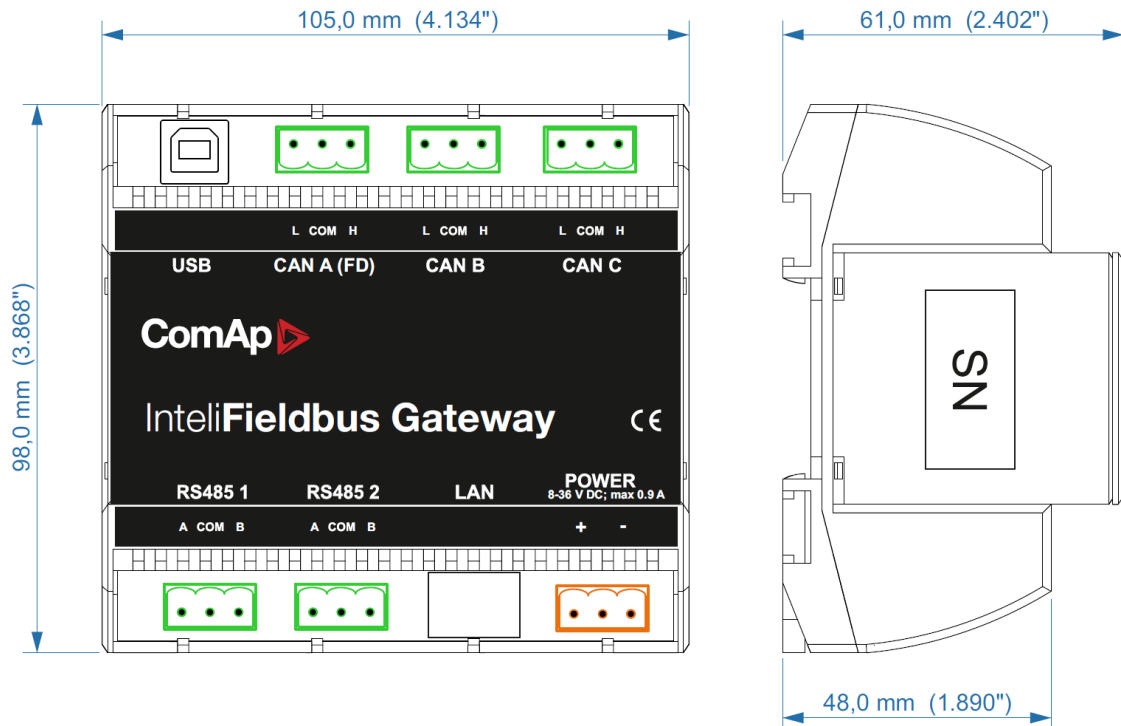**Order code: CM1IFGATBBB**

## Communication module

# Datasheet

## Product description

▶ Solution for protocol conversion

▶ Connection to the ComAp controller over CAN bus (up to 200m length)

▶ Collection of data via MODBUS Protocol

▶ Allows connection of 3<sup>rd</sup> party device(s)

▶ Predefined communication settigs for MODBUS devices

▶ RS485 ports support up to 32 devices overall (up to 16 devices per each port)

▶ Ethernet port supports up to 128 devices

▶ Support of WebSupervisor

## Key features

▶ 1x Ethernet port

▶ 2x RS485 port

▶ 3x CAN port

▶ Modbus TCP protocol, client (Ethernet)

▶ Modbus RTU protocol, client (RS485)

# Dimensions, terminals and mounting

Unit: mm (inch)

**Weight**: 190 g

*Note:* The unit is mounted on DIN rail (35 mm/1.38 in)

# Technical data

## Power supply

| | |
|---|---|
| **Power supply** | 8 to 36 V DC |
| **Power consumption** | up to 4 W |

## Operating conditions

| | |
|---|---|
| **Operating temperature** | - 20°C to + 70°C |
| **Storage temperature** | - 40°C to + 80°C |
| **Operation humidity (norm 60068-2-30)** | 5 to 95% w/o condensation |
| **Vibration** | 5 - 25 Hz, ± 1.6 mm<br>25 - 100 Hz, a = 4 g |
| **Shocks** | a = 200 m/s$^2$ |

## Communication

| | |
|---|---|
| **3x CAN port:** | Galvanically separated, built-in terminating resistors are activated by jumper, Nominal impedance 120 Ω |
| **2x RS485 port:** | Galvanically separated, built-in balancing and terminating resistors are activated by jumper |
| **1x Ethernet port** | RJ45, 100Mbit/s |
| **1x USB device** | Non-isolated type B connector (Not supported yet) |

# Certificates and standards

| | |
|---|---|
| ► EN61000-6-2<br>► EN61000-6-4<br>► UL6200 | CE       c ⓊⓁ US **LISTED** |