

InteliGateway 301



Order code: CM2GW301BAB

Communication module

Datasheet

Product description

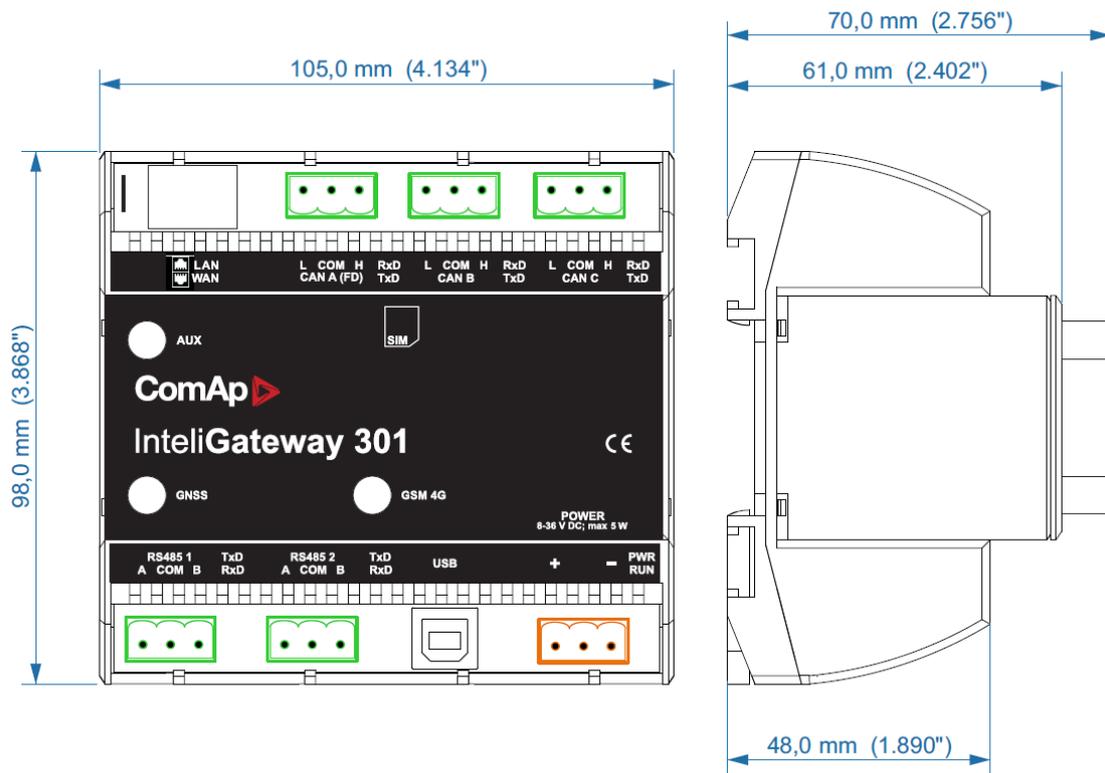
- Communication gateway with configurable interfaces between Modbus TCP/RTU, ComAp CAN, WebSupervisor and InteliScada protocols allowing user-defined interconnection of all attached devices
- Equipped with geolocation capability for asset tracking and 4G modem for extended connectivity

Key features

- Bidirectional connectivity of 3rd party Modbus devices to ComAp controllers on CAN1
- Data buffering capability for avoiding loss of data during connectivity outage
- Inbuilt support of energy industry Modbus controlled devices (Inverters, BESS) from leading manufacturers
- Support for customizable user templates for any additional Modbus devices that are not inbuilt
- Dual ethernet interfaces decoupling trusted (private) and untrusted (public) network segments for enhanced cybersecurity
- Geolocation capability through pre-built satellite-based radionavigation (GPS, BeiDou, Galileo, GLONASS) allowing for geolocation of asset

- 4G broadband cellular connectivity for when wired network connectivity is not present

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 5 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 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
2x Ethernet port	RJ45, 100Mbit/s
1x USB device	Non-isolated type B connector (Not supported yet)

GNSS

Antenna interface	SMA female, 2.8V / 20 mA
Antenna type	Active
Support	GPS, BeiDou, Galileo, GLONASS

Cellular

Supported networks and frequency bands	<ul style="list-style-type: none">> 2G (GPRS/EDGE): 850,900,1800,1900MHz> 3G (UMTS/HSPA): Bd1 (2100MHz), Bd2 (1900MHz), Bd3 (1800MHz), Bd4 (2100MHz), Bd5 (850MHz), Bd6 (850MHz), Bd8 (900MHz), Bd19 (850MHz)> 4G (LTE-FDD): Bd1 (2100MHz), Bd2 (1900MHz), Bd3 (1800MHz), Bd4 (2100MHz), Bd5 (850MHz), Bd7 (2600MHz), Bd8 (900MHz), Bd12 (700MHz), Bd13 (700MHz), Bd18 (850MHz), Bd19 (850MHz), Bd20 (800MHz), Bd26 (850MHz), Bd28 (700MHz), Bd66 (2100MHz)> 4G (LTE-TDD): Bd38 (2600MHz), Bd40 (2300MHz), Bd41 (2500MHz)
Antenna interface	2x SMA female (Main and Diversity)

Available antennas

Combined antenna 4G/LTE and GPS	Antenna for 2G, 3G and 4G/LTE networks as well as for GPS	OT1A4GGPSCX
Combined antenna 4G/LTE and GNSS	2 × 4G LTE/3G/2G MIMO, GPS/GLONASS/Galileo SM Antenna	OT2A4GGPSCX

Certificates and standards

<ul style="list-style-type: none"> > EN61000-6-2 > EN61000-6-4 > UL6200 > FCC ID: QIPPLS63-W 		<p>PLS63-W</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;">  R 217-210086 T AD210086217 </div> <p>Product contains FCC ID: QIPPLS63-W</p> <p>Note: Giteki certification valid with OT2A4GGPSCX</p>
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