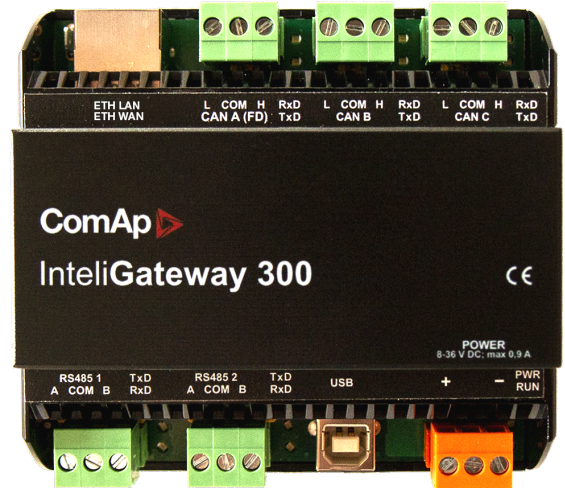


InteliGateway 300



Order code: CM2GW300BAB

Communication module

Datasheet

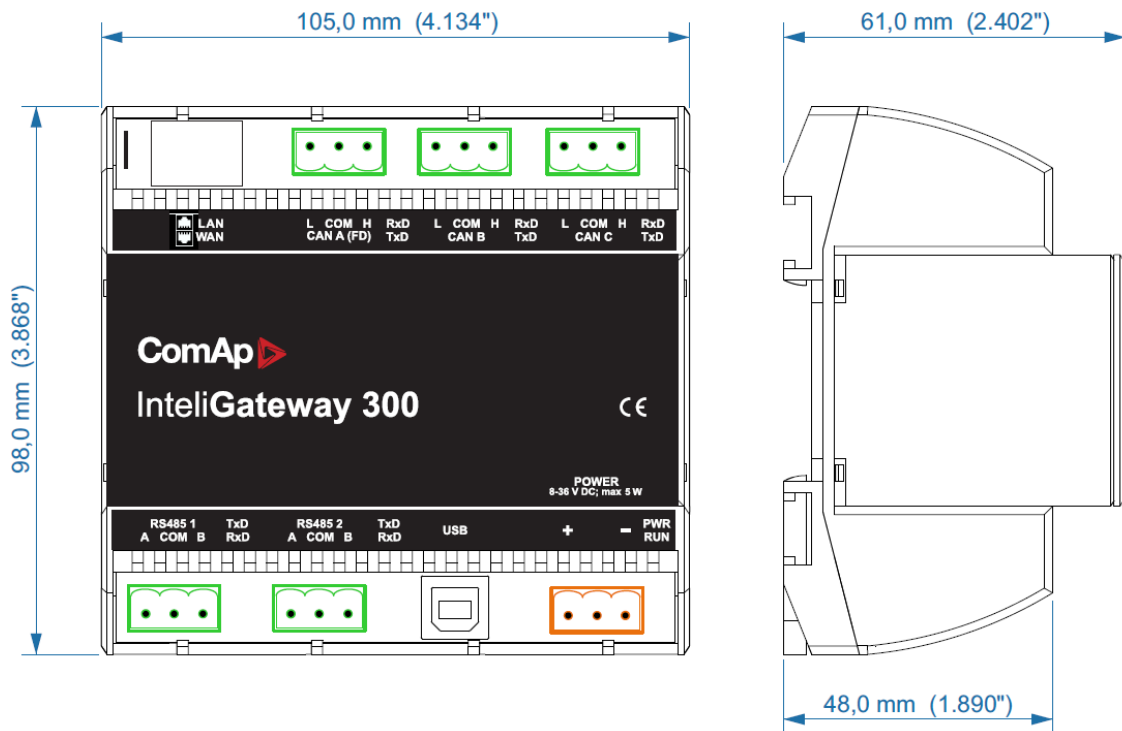
Product description

- Communication gateway with configurable interfaces between Modbus TCP/RTU, ComAp CAN, WebSupervisor and InteliScada protocols allowing user-defined interconnection of all attached devices

Key features

- Bidirectional connectivity of 3rd party Modbus devices or 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

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

Interfaces

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)

Protocols

Modbus TCP master	Up to 127 slave nodes supported
Modbus RTU master	Up to 16 slave nodes per each RS485 interface supported
ComAp I/O CAN	1 controller per CAN interface (CAN1 interface on Controller side)
ComAp Airgate	v1.0

Other

Data buffering	512MB
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Certificates and standards

- > EN61000-6-2
- > EN61000-6-4
- > UL6200
- > RINA



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