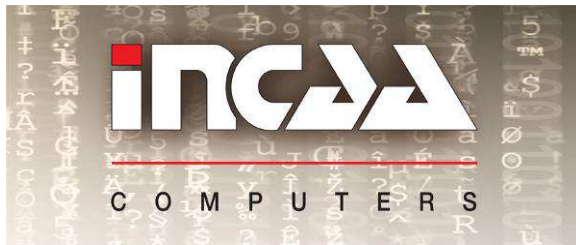# Industrial Communication Gateway

Features

- Industrial IEC 61131-3 PLC programming with CODESYS
- Many Industrial Protocols i.e. Ethercat, Profinet, TCP/IP, Modbus, IEC, OPC and more
- Linux OS, flexible and customisable
- Routing trough 3G M2M or RJ45
- SSH Access to Linux
- Wireless M2M interface (Optional) (GPRS/EDGE/HSDPA etc.)
- 2x Ethernet interface
- 3x RS-232
- 1x USB
- 22 channel GPS receiver, PPS timing (Optional)
- Operating temperature -25 / +70^{0}C
- Wide input range (8-48V) DC power supply
- Stainless steel enclosure with DIN-rail fastening
- Small size: approx. 12 x 12 x 6 cm

Description

The ICG10 module is an industrial communication gateway module for coupling a wide range of different protocols to the 3G M2M network or local Ethernet network. Codesys IEC 61181-3 development system can be used to program additional PLC functionalities. I/O can be controlled using one of the industrial interfaces over Ethernet or serial port. The local GPS can be used to time sync several remotely located system together. A wide range DC power-input, the low power requirements, the small size and Din-rail fastening ensure easy system integration.

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Specifications

Ethernet	
Number of ports	2x
Speed	100 Mbit/s, autosensing
Connector	RJ-45
RS-232	
Number of ports	3x
Connector	9-pin, Sub-D
USB	
Type	1x USB 2.0, High speed
Wireless data interface (Optional)	
Type	GSM/GPRS/EDGE/UMTS/WCDMA
Antenna connector	SMA female
GPS (Optional)	
Channels	22
Data	NMEA 0183
Update rate	Max 5 Hz
Digital output	PPS
Antenna connector	SMB, Optional MCX female
Power supply requirements	
Input	8 - 48 VDC
Power consumption	Typ. 360 mA @ 12 V
Protection	Against reverse polarity, under- and overvoltage
Norm conformity	
EMC	CE
RF 3G	ETSI UICC
Mechanical	
Dimensions	120 x 120 x 60 mm (l x w x h)
Material	Stainless steel
Color	Brushed steel
Mounting	DIN-rail fastening
Environmental conditions	
Operating temperature	-25 °C to +70 °C
Max. operating rel. humidity	90%, no condensation
Warranty	
Warranty period	1 year
Identification	
Type number	ET-ICG10-18807 Rev. A0

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