Product information

IIoT Gateway

CC300T

(valid from 11/2018)

Changes to older versions of this document

Rev. 01 → 02: First steps outsourced to a separate document

Technical data

S7-IIoT-Gateway
for 35mm DIN-rail

Standard configuration:

Ethernet with
- RFC1006 (S7-communication),
- Send/ Receive via TCP and UDP,
- Modbus TCP

Run/Stop switch

State LEDs for Power, Battery, Error, Run

Inserting stripes
- for Logo and identification (thereby customized adaption possible easy)

on demand :

RS232 with
- Modbus-TCP

RS485 with
- Modbus RTU
- with switchable teminate resistors for RS485

CAN
- protocol compatible to - CANopen®
- with switchable teminate resistors for RS485

Scope of delivery:
- Grounding terminal
- Technical data sheet

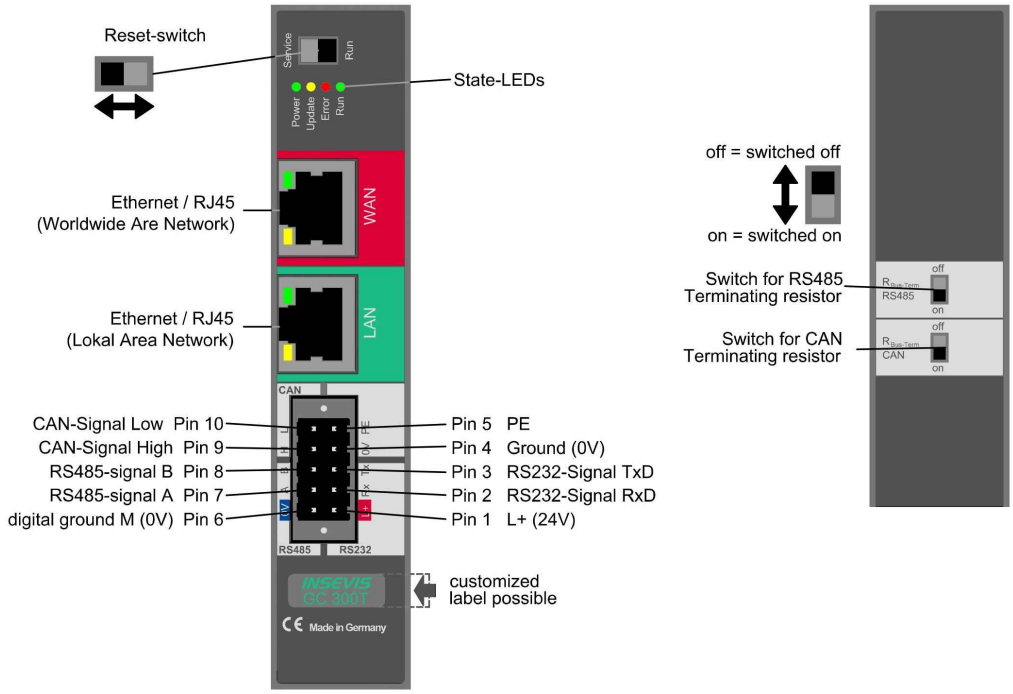

Image: view of GC300T

For handling → please see manual S7-IIoT-Gateway

Technical data	
Dimensions W x H x D (mm) Cut out W x H (mm) Protection class Weight	46 x 116 x 84 35mm DIN rail IP41 ca. 350g
Operating temperature range Storage temperature range	-20°C ... +60°C (without condensation) -30°C ... +80°C
Connection technology	removable connector with 2 bolt flanges aside (cage clamp technology) for cross section up to max. 1,5mm²
Load voltage L+	24V DC (11 V ... 30V DC)
Start-up current	< 3A

Technical data	CPU
CPU-type	Typ T (GC300T)
Working memory	256 MByte
internal memory	4 GByte, thereof ca. 1 GByte for user data (visualizations, etc)
Programming languages Programming system	JavaScript Node-RED
Serial interfaces (protocols)	COM1: RS 232 (Modbus-PTP) – on request COM2: RS 485 (Modbus-RTU) – on request
Ethernet (protocols)	ETHERNET: 10/100 MBit S7-communication, TCP, UDP, Modbus-TCP MQTT, SMTP Client, HTTP(more by Node-RED) Theoretical performance limit: 100 Connections with 2000 datapoints over all. More datapoints are possible if not every datapoint changes every cycle (100ms)
OPC UA Server SecurityPolicy	Predefined namespace,compatible to S7-1500 + max. 100 user-variables alternatively user defined namespace with external modeler (via binary data export) optionally OPC UA DI able to provide datapoints from all other interfaces including history history configurable in sample time and number of samples subscriptions / monitored items < 100 none / Basic 256 Sha 256 sign / Basic 256 Sha 256 sign & encrypt (single shiftable or detouchable)
Node-RED	performance limit ca. 50 variables actualise cyclic data points from all other interfaces
CAN (protocols)	compatible to CANopen® master/ slave 10 kBaud ... 1 MBaud – on request

Ordering data of devices

Identification
S7-IIoT-Gateway **GC300T-0-03**

Ordering data of accessoiries

Identification / Order-No.
Connector 2x5pin (bolt flanges) / E-CONS10-00

Qualified personnel
All devices described in this manual may only be used, built up and operated together with this documentation. Installation, initiation and operation of these devices might only be done by instructed personnel with certified skills, who can prove their ability to install and initiate electrical and mechanical devices, systems and current circuits in a generally accepted and admitted standard.

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With publication of this data all other versions are no longer valid.