TROVIS 6600 Automation System
TROVIS 6610 CPU Module (BACnet IP, BACnet PTP)

Application

Freely configurable automation station with 40 physical channels suitable for connection of up to 32 TROVIS 6620 I/O Modules.

Communication according to DIN EN ISO 16484-5, certification according to DIN EN ISO 16484-6

The CPU module for autonomous operation and management of up to 680 physical data points can be configured to meet control requirements.

- Communication with management level or other devices using BACnet IP, BACnet PTP and/or Ethernet TCP/IP according to IEEE 802.3 (100 Mbit, RJ-45)
- BACnet profile B-BC and additional BIBBs (BACnet Interoperability Building Blocks)
- Integrated web server for optional graphical plant visualization including dynamic refreshing of values, historical data, access protection, alarm management and service. E-mails can be sent using the integrated e-mail client when certain events occur.

The module provides 40 physical channels, of which 20 are universal inputs for use with either analog or binary signals.

- Analog inputs as Pt 1000 (two-wire), 0 to 10 V DC, 0 to 2000 Ω
- Binary inputs optionally as normally closed or normally open contacts, status indicated by LEDs, binary inputs 1 and 2 as counter inputs (1 kHz)
- 12 binary outputs including 250 V AC/3 A (resistive) coupling relay, status indicated by LEDs
- 8 analog 0 to 10 V DC outputs

Interfaces

- Communication with management level or other devices according to DIN EN ISO 16484-5, OPC, Suitelink, DDE
- TROVIS 6615 Web Terminal can be connected as a web client using Ethernet TCP/IP
- I/O bus (RS-485) to manage 32 I/O modules
- RS-485 interface (RJ-45) to directly connect Modbus RTU devices using two-wire or four-wire systems
- RS-232 interface (RJ-45) for servicing
- Two full-speed USB 2.0 ports (12 Mbit/s) to connect memory pen etc.

Further features:

- Power supply and I/O bus can be connected directly to the module's terminals

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Fig. 1: *TROVIS 6610 CPU Module*

- Inputs and outputs can be connected directly to the module's terminals
- Plant configurations and parameters saved in EEPROM. Dynamic plant-related data, e.g. time, mean values, program steps, schedules for optimization functions etc., are saved for at least 72 hours when the network fails
- Firmware saved in flash memory
- LEDs indicate CPU activity and failure as well as when an application is being downloaded

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Data Sheet **T 6610 EN**

Technical data

TROVIS 6610 CPU Module	
Power supply	24 V AC, 50 Hz
Power consumption	Approx. 15 VA
Operating temperature	0 to 55 °C
Transportation and storage	–20 to 70 °C
Relative humidity	Normal, no dew formation
Noise emission	According to EN 61000-6-3
Noise immunity	According to EN 61000-6-2
Degree of protection	IP 20 according to IEC 60529
Mounting	On 35 mm rail (all DIN and EN types)
Dimensions (width x height x depth)	185 x 130 x 55 mm including terminals
Weight	0.7 kg

Specifications subject to change without notice

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