

Product information

S7-Panel-PLC

PC1560T



Image of PC1560T without Profinet (PC1560T-0-03)



Image of PC1560T with Profinet (PC1560T-PNC-02)



(valid from PLC-version PC1560T-xxx-**02**)

Changes to older versions of this document

Rev. 01 → 02: new images, new design line, connectors added, drill jig info added
Rev. 02 → 03: new temperature ranges
Rev. 03 → 04: Slim-CPU-T integrated (without Profinet)
Rev. 04 → 05: Outer dimension front plate corrected
Rev. 05 → 06: Information for disposal of old equipment
Rev. 06 → 07: Link to Security Guideline added

Description

S7-Panel-PLC with

- 15,6" TFT display (1366x678 pixel)
- resistive touch (front protection class IP65)

Standard configuration:

RS232 with

- free ASCII protocol

RS485 with

- free ASCII protocol
- Modbus RTU
- with switchable terminate resistors for RS485

2x Ethernet (as switch or separated) with

- S7-connection (Put/Get)
- Send/ Receive via TCP and UDP,
- Modbus TCP

CAN

- protocol compatible to
 - CANopen®
 - Layer2 communication
- with switchable terminate resistors for RS485

Micro-SD-card slot

- for SD-cards up to 8GByte

Run/Stop switch

State LEDs for

Power, Battery, Error, Run

Inserting stripes

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

Additional configuration:

(optional)

Profinet IO Controller

Scope of delivery:

- Mounting kit with grounding terminal i
- Technical data sheet

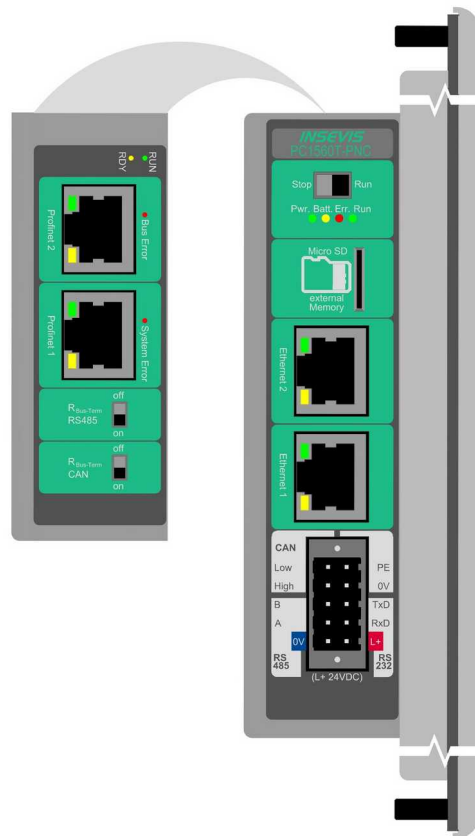
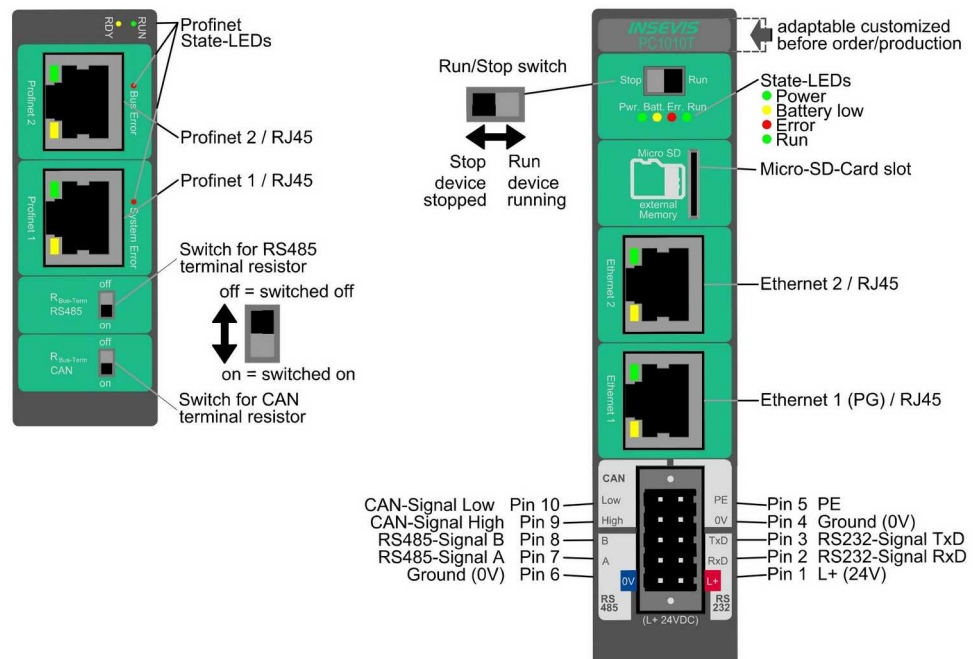


Figure above: View to rear side and connections sides of PC1560T-PNC (horizontal use)

Figure below: CPU-connections of all Panel-PLC-basic devices (without periphery slots) with CPUs type T and with option Profinet IO Controller



→ Interfaces are shifted a little bit among each other at the version PC1560T-0-03, but functions and connections are kept similar to the other CPU-T versions (no image, self explanatory)

Technical data	
Dimensions W x H x D (mm)	420 x 260 x 59 (53 mounting depth – PC1010T-PNC-02) 420 x 260 x 60 (54 mounting depth - PC1010T-0-03)
Cut out W x H (mm) / Weight	387 x 228 / ca. 1.900 g
Operating temperature range	0°C ... +60°C (without condensation)
Storage temperature range	-20°C ... +60°C
IP-protection class front panel rear side	IP65 IP41
Connection technology	removable connector with 2 bolt flanges (cage clamp technology) for cross section up to max. 1,5mm ²
Load voltage L+	24V DC (11 V ... 30V DC)
Current consumption	500mA ... 650mA
Power dissipation	12W (typ.) ... 15W (with Profinet)
Start-up current	< 3A
Diagonal of display (inch)	15,6" (397mm)
Display resolution (pixel)	1366x768 Pixel (16:9)
Display unit	TFT display with 16Bit colours
Operating unit	analog resistive touch screen
Visualization tool unit to reference there	VisuStage PC1560T, PC1567T
Technical data CPU	
CPU-type	CPU-T (PC1560T)
Working memory = battery backed load memory	1MB 512 kByte remanent 8MB
Diagnostic buffer	100 entries (all remanent)
Flash internal - for visualization external memory	48 MByte Micro SD, up to max. 8 GByte (not necessary for S7-program, only for archiving)
OB, FC, FB, DB Lokal data	each 2.048 32kByte (2kByte per block)
Number of in- and outputs	in each case 4.096 Byte (32.769 Bit) addressable
Process image	in each case 4.096 Byte (default set is 128 Byte)
Number of Merkerbytes	4.096 (remanence adjustable, default set is 0..15)
Number of Taktmerker	8 (1 Merkerbyte)
Number of timer, counter	in each case 512 (each remanence adjustable, default set is 0)
Depth of nesting	up to 16 code blocks
Real-time clock elapsed hour counter	yes (accumulator-backed hardware clock) 1 (32Bit, resolution 1h)
Program language	STEP 7® - AWL, KOP, FUP, S7-SCL, S7-Graph from Siemens
Program system	SIMATIC® Manager from Siemens or products compatible to it
Operating system	compatible to S7-300® from Siemens
Program unit to reference	CPU 315-2DP/PN (6ES7 315-2EH14-0AB0 and firmware V3.1 Siemens)
Serial interfaces (protocols)	COM1: RS 232 (free ASCII) COM2: RS 485 (free ASCII, Modbus-RTU)
Ethernet (protocols)	2x Ethernet: (switch or separated ports): 10/100 MBit with parts of CP343 functionality (RFC1006, TCP, UDP, Modbus-TCP)
CAN (protocols)	CAN-telegrams (Layer 2), compatible to CANopen® master 10 kBaud ... 1 MBaud
optional interfaces (protocols)	Profinet IO (only at PC1560T-PNC-02) Controller
Onboard periphery	none
Decentral periphery	- INSEVIS- periphery (with automatic configuration via „ConfigStage“) - diverse external periphery families (Modbus RTU/TCP, CAN) - all CANopen® slaves according to DS401 - all Profinet IO devices

