

Product information

S7-Panel-HMI

HMI430T



(valid from HMI-version HMI430T-xxx-02)

Changes to older versions of this document

none

Description

S7-Panel-HMI with

- 4,3" TFT display (480x272 pixel)
- resistive touch (front protection class IP65)

Standard configuration:

Ethernet with

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

State LEDs for

Power, Battery, Error, Run

Inserting stripes

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

Scope of delivery:

- Mounting kit with grounding terminal i
- Technical data sheet

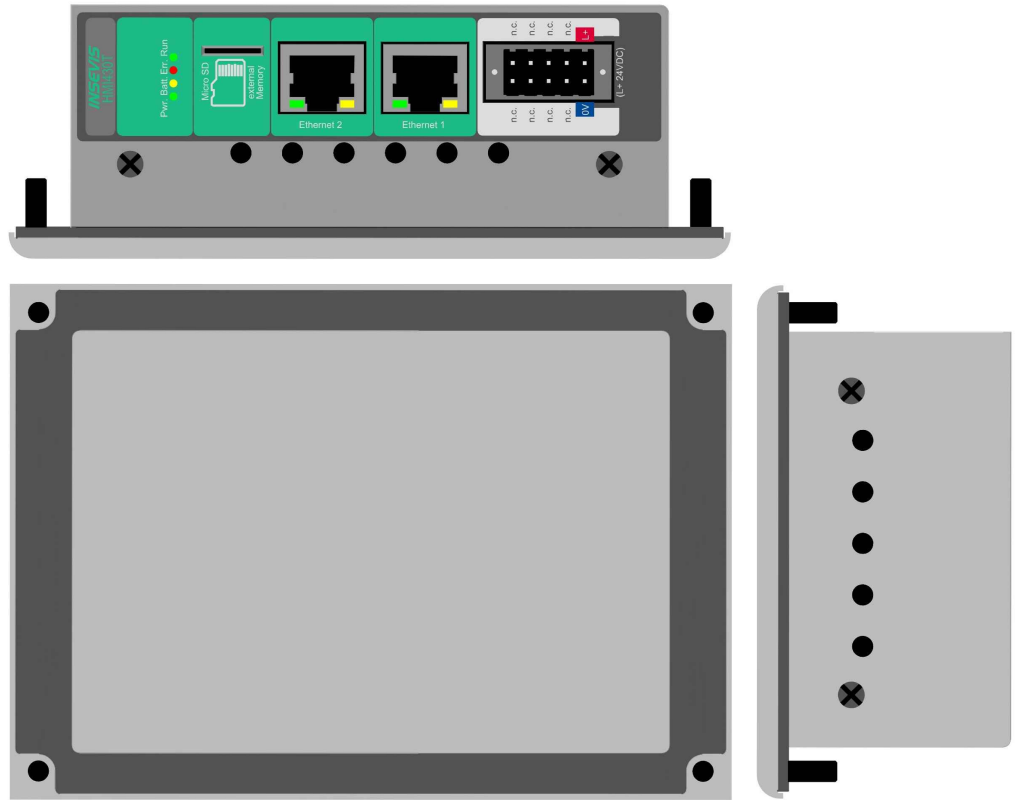
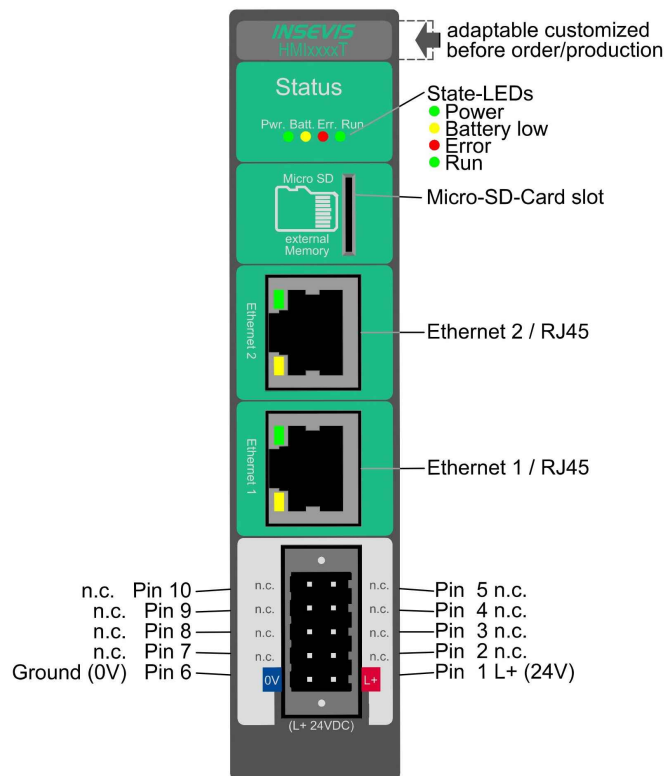


Figure above: View to rear side and connections sides of HMI430T (horizontal use)

Figure below: CPU-connections of all Panel-HMI with CPUs type T



Technical data	
Dimensions W x H x D (mm) Cut out W x H (mm) Weight	40 x 100 x 45 118 x 84 ca. 450g
Operating temperature range Storage temperature range	-20°C ... +60°C (without condensation) -30°C ... +80°C
IP-protection class front panel rear side	IP65 IP41
Connection technology	removable connector with 2 lift arms or 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 Power dissipation	150mA ... 300mA 4W (typ.) ... 7,5W (with Profinet)
Start-up current	< 3A
Diagonal of display (inch) Display resolution (pixel)	4,3" (111mm) 480x272 pixel (16:9-format)
Display unit Operating unit	TFT display with 16Bit colours analog resistive touch screen
Visualization tool unit to reference there	VisuStage HMI430T
Technical data	
CPU	
CPU-type	CPU-T (HMI430T)
Flash internal - for visualization external memory	48 MByte Micro SD, up to max. 8 GByte (only for archiving)
Ethernet (protocols)	2x Ethernet: (switch or separated ports): 10/100 MBit with parts of CP343 functionality (RFC1006, TCP, UDP, Modbus-TCP)

Cut out in switching cabinet	
<p>Dimensions Cut out W x H (mm) / 118 x 84 4 holes with D 4,5mm</p> <p>Wiring outlet at rear view and horizontal mounting</p> <p>HMI430T <u>Wiring outlet</u> - VCC / 2xETH to the left</p> <p><u>Mounting depth</u> ca. 44mm max.</p>	

Documentation and samples



Internet: <http://www.insevis.com/>
 Box: Downloads / Quicklinks
 Download: TI-HMI xxxx.pdf
 Box: Downloads / Quicklinks
 Download: Manual Panel-HMI.pdf



Internet: <http://www.insevis.com/>
 Box: Downloads / Quicklinks
 Download: Demo-visualization
 INSEVIS provides sample programs lots of functions, well documented for free download.

Ordering data of devices

Identification	Standard
S7-Panel-HMI HMI430T	HMI430T-02

Ordering data of accessoires

Identification / Order-No.	Identification / Order-No.
Connector 2x5pin (lift arms) / E-CON10-00	Connector 2x5pin (bolt flanges) / E-CONS10-00
Mounting set for 3,5" + 4,3" devices* / E-MNT35-00 (VPE10)	Inserting stripe H for logo and identification for rear side* / E-LABH-00
Micro SD-card 1GB (external memory) / E-MSD1-00	Micro SD-card 4GB (external memory) / E-MSD4-00
Micro SD-card 2GB (external memory) / E-MSD2-00	Micro SD-card 8GB (external memory) / E-MSD8-00

* (1x already part of first deliveries scope)

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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