DATA SHEET

T 6616-1 EN

TROVIS 6616-1 Web Terminal

CE

Application

Display and manage all relevant data of a building automation system

– Optional components for TROVIS 6600 Automation System
– Use in conjunction with a TROVIS 6610 CPU Module or TROVIS 6611-2 Control and Automation Unit for panel mounting

Special features

• Graphics touch screen

• Display of operating data

• Operation, parameterization, set point changes and access to time schedules of a building automation system

Design and principle of operation

The TROVIS 6616-1 Web Terminal runs as a web client under the Android operating system. The installed automation browser allows access to graphic visualization saved in the web server of TROVIS 6610 CPU Module and graphic visualization saved in the TROVIS 6611-2 Control and Automation Unit.

The TROVIS 6616-1 Web Terminal also enables access to the visualization of several TROVIS 6610 or TROVIS 6611-2 units. All plant schemes are saved in the TROVIS 6610 or TROVIS 6611-2. The web terminal can be used to view, for example colored plant schemes with dynamically refreshed values. Data, such as set points, time programs etc., can be conveniently changed on the touch screen.

The alarm list shows recorded events in chronological order with a comment.

Online or historical data can be viewed on the TROVIS 6616-1 Web Terminal and saved to CSV files for further processing on an external device, which can be plugged into the USB port. Alternatively, the text-based user interface of TROVIS Mobile can be used.

Fig. 1: *TROVIS 6616-1 Web Terminal*

Installation

The TROVIS 6616-1 Web Terminal must not be placed front side down on hard surfaces. Otherwise, the touch screen may be damaged.

It is mounted into the panel cut-out of 163x97 mm. The panel must not be thicker than 3 mm for this type of mounting. Four boreholes must be drilled (see Fig. 3).

The TROVIS 6616-1 Web Terminal is pushed from the front into the panel cut-out and fastened to the panel from the back with the four supplied screws.

Optionally, the VESA connection at the back of the TROVIS 6616-1 Web Terminal can be used. The fastening screws must not be screwed into the thread further than 9 mm.

Operation

Start-up and configuration are performed with the aid of the Setup Wizard. Operation is performed over a web browser.

Administration and operation of web applications

A process view application must be created beforehand to access a TROVIS 6611-2 Control and Automation Unit over the web. It can be text oriented or graphic or a combination of both. The user settings of TROVIS 6611-2 determine which point of entry, access privileges and language apply to the user interface of the web application.

Electrical connection

An Ethernet connection is required for start-up. A crossover cable must be used to establish direct connection. A 1:1 cable must be used to establish connection over active components (switch/hub).
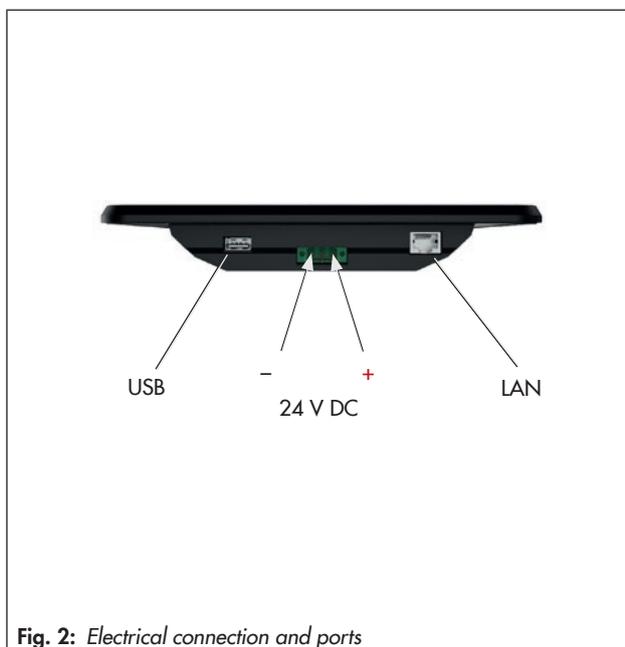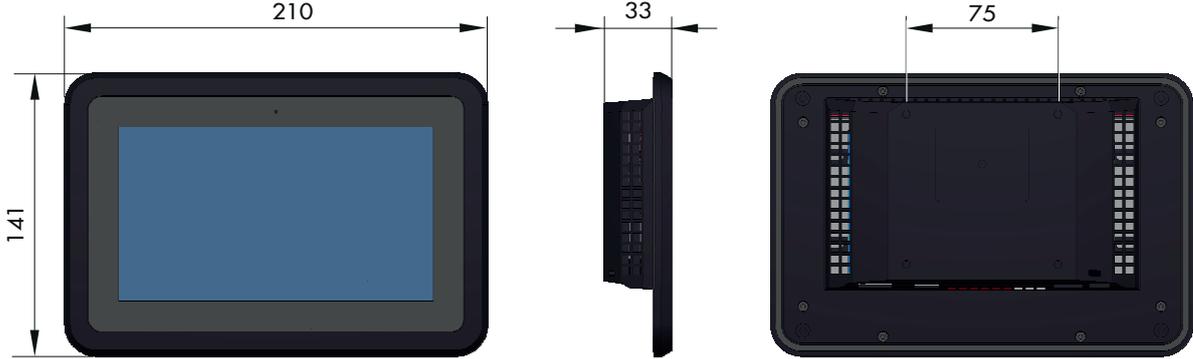

USB — + LAN
24 V DC

Fig. 2: *Electrical connection and ports*

Technical data

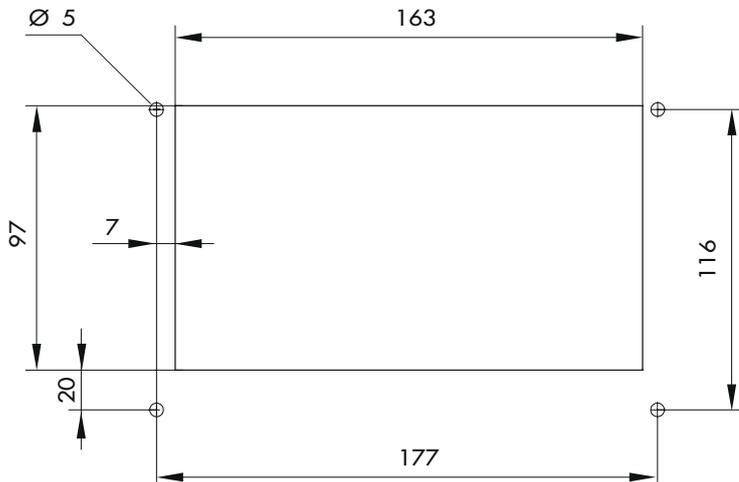| Electrical connection	
Supply voltage	24 V DC
Power consumption	Max. 8.9 W, 5.3 W (idle)
Temperature range	
Operation	0 to 50 °C
Transportation and storage	0 to 70 °C
Relative humidity	10 to 90 %, non-condensing
Electromagnetic compatibility	
Noise emission	According to EN 55032:2012 + AC: 2013 Class A
Noise immunity	According to EN 55024:2010
Device safety	
Class of protection	Class III
Overvoltage category	OVC II
Pollution degree	PD 2
Degree of protection	IP 54 at the front, IP 20 at the back according to EN 60529
Conformity	According to EN 62368-1:2014 + AC:2015 According to EN 50581:2012 CE
Performance	
CPU	Rockchip RK3188 CPU, quad-core processor 1.6 GHz
RAM	2 GB RAM
Display	7" widescreen LED-TFT monitor, projected capacitive touch screen
Resolution	1024 x 600 pixel
Interfaces	
USB	1x USB 2.0 A
Ethernet 10/100	1x RJ-45

Dimensions

Front view

Side view

Rear view

Panel cut-out 163x97

Fig. 3: *Dimensions in mm*

Accessories

Graphical project management tool	TROVIS 6690
Web terminal editor	TROVIS 6693

Ordering text

TROVIS 6616-1 Web Terminal

Associated Mounting and Operating Instructions

– TROVIS 6616-1 Web Terminal   ▶ **EB 6616-1/-2**