

TPC140/TPC140-L Remote Display and Operator Panel

Application

The TPC140/TPC140-L is a remote display and operator panel for comprehensive display of DDC plants in compact plants. It is equipped with the following features:

- Fully graphical interface for plant operation with up to 30 definable graphics in true color.
- Combinable with DDC4000, DDC420, and controllers from other manufacturers
- Optional LON function (TPC140-L)
- For comprehensive display of DDC plant images in small plants
- Touchscreen display
- For industry-standard control cabinets
- 24/7 operation
- Processing of up to 500 data points, 100 trends, 20 quick query tables
- Integrated printing function, error reporting via SMS and e-mail
- Optional remote control



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Änderungen vorbehalten - Contents subject to change - Sous réserve de modifications - Reservado el derecho a modificación - Wijzigingen voorbehouden - Con riserva di modifiche - Innehåll som skall ändras - Změny vyhrazeny - Zmiany zastrzeżone - Возможны изменения - A változtatások jogát fenntartjuk - 保留未经通知而改动的权力

Important Information Regarding Product Safety

Safety Instructions

This data sheet contains information on installing and commissioning the product "TPC140/TPC140-L". Each person who carries out work on this product must have read and understood this data sheet. If you have any questions that are not resolved by this data sheet, you can obtain further information from the supplier or manufacturer.

If the product is not used in accordance with this data sheet, the protection provided will be impaired.

Applicable regulations must be observed when installing and using the device. Within the EU, these include regulations regarding occupational safety and accident prevention as well as those from the VDE (Association for Electrical, Electronic & Information Technologies). If the device is used in other countries, it is the responsibility of the system installer or operator to comply with local regulations.

Mounting, installation and commissioning work on the devices may only be carried out by qualified technicians. Qualified technicians are persons who are familiar with the described product and who can assess given tasks and recognize possible dangers due to technical training, knowledge and experience as well as knowledge of the appropriate regulations.

Legend



WARNING

Indicates a hazard of medium risk which can result in death or severe bodily injury if it is not avoided.



CAUTION

Indicates a hazard of low risk which can result in minor or medium bodily injury if it is not avoided.



CAUTION

Indicates a hazard of medium risk which can result in material damage or malfunctions if it is not avoided.



NOTE

Indicates additional information that can simplify the work with the product for you.

Notes on Disposal

For disposal, the product is considered waste from electrical and electronic equipment (electronic waste) and must not be disposed of as household waste. Special treatment for specific components may be legally binding or ecologically sensible. The local and currently applicable legislation must be observed.

Product Description**TPC140/TPC140-L****Item**

TPC140/TPC140-L Remote Display and Operator Panel

Technical Data

Nominal voltage	<ul style="list-style-type: none"> ■ DC 11 V..32 V ■ Optional AC 100 V..240 V external power supply unit
Power consumption	<ul style="list-style-type: none"> ■ 50 W
Displays and controls	<p>Backlit TFT LCD with five-wire resistive touchscreen</p> <ul style="list-style-type: none"> ■ Screen size: 15" ■ Resolution: 1024 x 768 pixels ■ Luminance: 400 cd/m² ■ LED backlight
Interfaces	<ul style="list-style-type: none"> ■ 1 x External powered SATA port (for DVD burners) ■ 2 x COM (RS-232) ■ 1 x COM (RS422/485) ■ 2 x GB-LAN (Intel) ■ 4 x USB 2.0 ■ 1 x Power in
Expansion slots	<ul style="list-style-type: none"> ■ 1 x 2.5" HDD/SSD slot with quick release frame ■ 1 x Internal USB
Storage medium	<ul style="list-style-type: none"> ■ 2 GB RAM (upgradeable to 4 GB) ■ 500 GB hard disk
Architecture	Fan-free Dual Core Intel Atom D525 (2 x 1.8 GHz) CPU
Housing	Sheet steel housing with metal front plate
Operating temperature	0 °C..50 °C
Degree of protection	IP65 (front) IP20 (housing)
Ambient temperature	0 °C..50 °C
Ambient humidity	During operation: 20 %..80 % r.h.; non-condensing Out of operation: 5 %..90 % r.h.; non-condensing
Installation	VESA mounting (VESA 75) or flush mounting
Certifications	CE
Weight	6.9 kg
Dimensions (W x H x D in mm)	410 x 310 x 71

Accessories (included in delivery)

Installation kit

Accessories (not included in delivery)

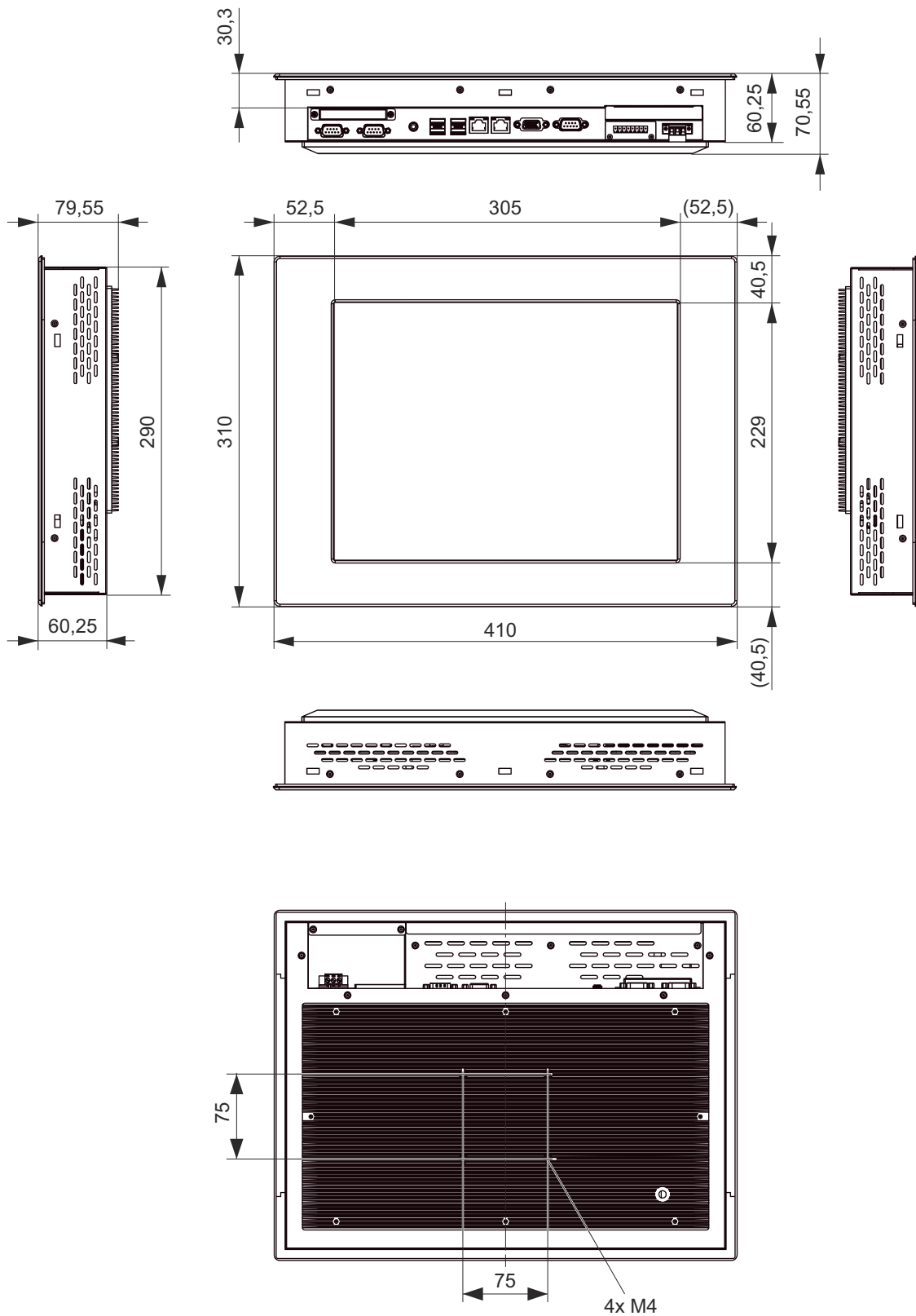
Z233	Top hat rail mounted power supply unit
TPC140-DVD-DRIVE	DVD drive with included cable (external drive for maintenance purposes)

Optional software

The following items are additionally available for purchase for the TPC140/TPC140-L:

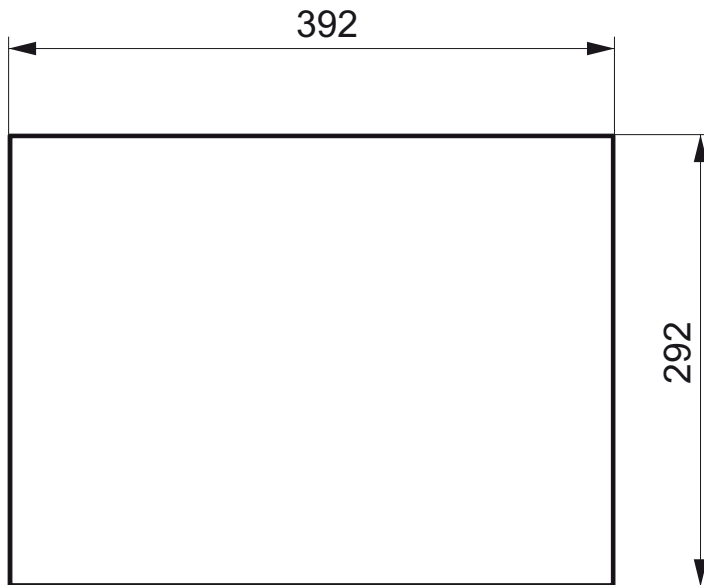
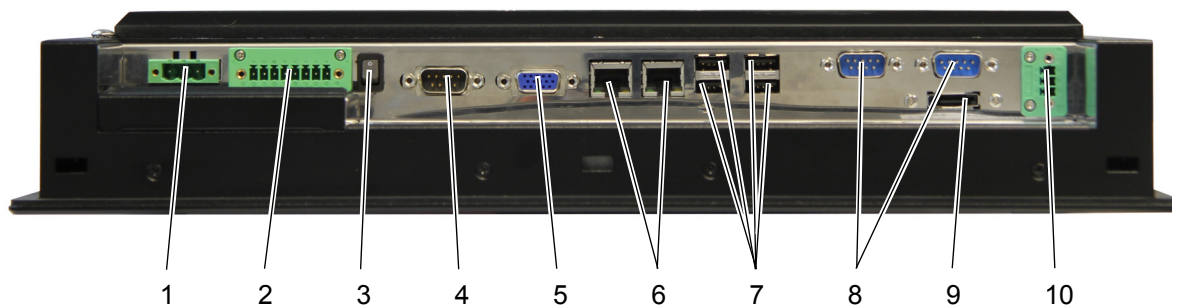
- SM200 PHWIN software module

Dimensions



Front Panel Cutout

The TPC140/TPC140-L can be fixed with four M4 x 10 or M3,5 x 13 screws:

**Connection**

- 1 Power in
- 2 8-Pin Phoenix (GPIO)
- 3 External I/O
- 4 COM (RS-422/485)
- 5 VGA
- 6 2 x GB-LAN (Intel)
- 7 4 x USB 2.0
- 8 COM (RS-232)
- 9 External powered SATA port
- 10 12 V Phoenix connection (not necessary with eSATAp)

