ifm electronic

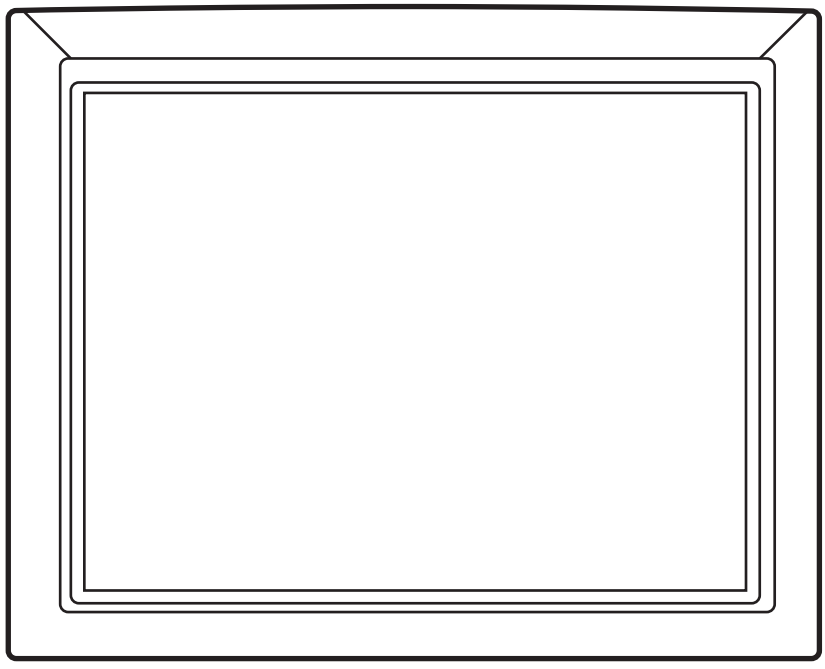
CE

Operating Instruction
Touch Panel PC

UK

efector250®

E2D400



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1 Functions and features

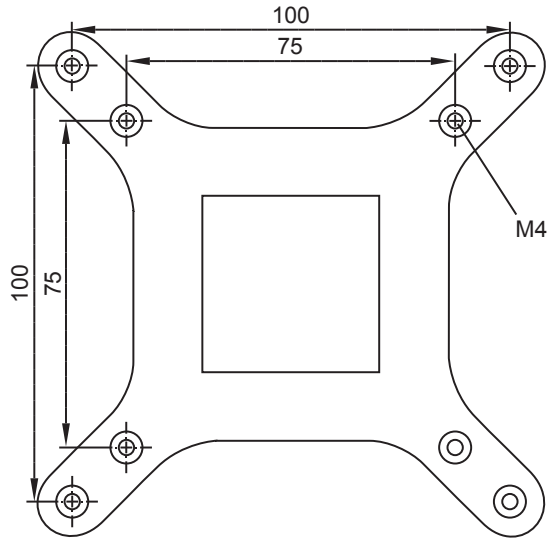
The Touch Panel PC is a control processor with a touch screen and can be flexibly mounted. The device ensures configuration and monitoring of the following systems:

- object recognition sensors
- 3D vision sensors
- multicode readers
- RFID readers

2 Installation

2.1 Wall mounting

For mounting on a wall fixture the back of the Touch Panel PC is equipped with threaded holes in accordance with the VESA 75/100 standard:



Distance between the internal threaded holes:75 x 75mm

Distance between the external threaded holes:100 x 100mm

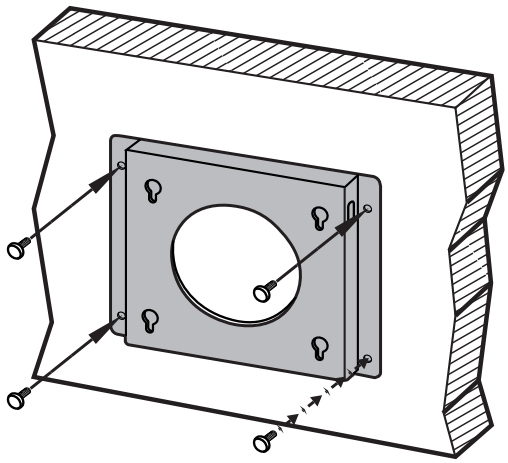
Mounting screws: 4 x M4, max. thread length 4 mm

For a suitable wall fixture see: **www.ifm.com** → Data sheet search → E2D401

2.1.1 Mounting using the wall fixture E2D401

► Mount the wall fixture on a free, flat surface using four screws.

Make sure that the fixture is safely screwed and the wall can carry the weight of the Touch Panel PC.

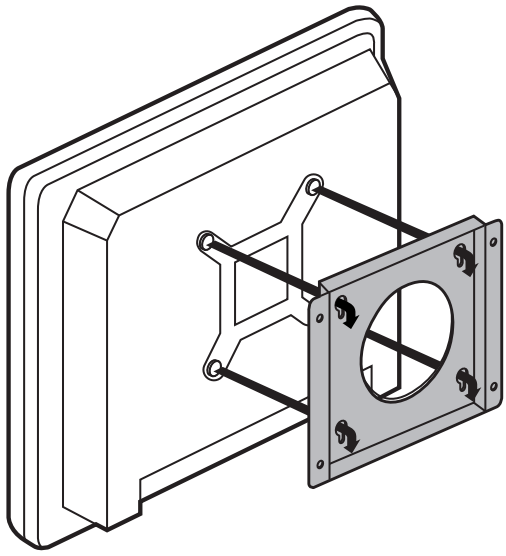


The mounting holes of the wall fixture meet the VESA 100 standard.

► Screw the four supplied M4 screws in the external threaded holes of the Touch Panel PC and tighten them.

► Insert the screw heads in the mounting holes of the wall fixture and pull the Touch Panel PC downwards carefully.

Check that all four screws are safely located in the mounting holes.



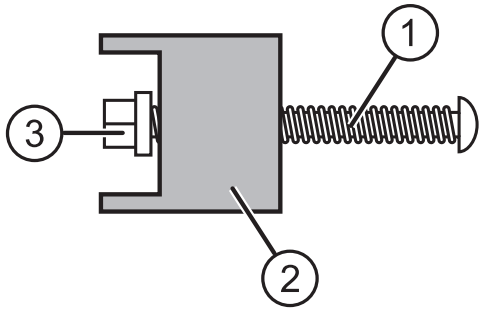
2.2 Control panel mounting

The mounting set E2D402 is suitable for control panel mounting: **www.ifm.com** → Data sheet search → E2D402

Panel mounting using this mounting set is described in the following section.

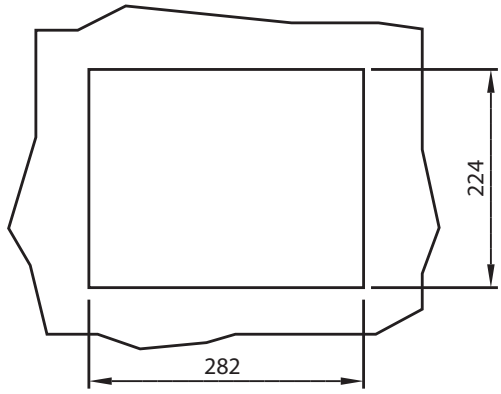
► Screw the screws (1) of the mounting set into the six brackets (2).

► Position and securely fasten the plastic caps (3).



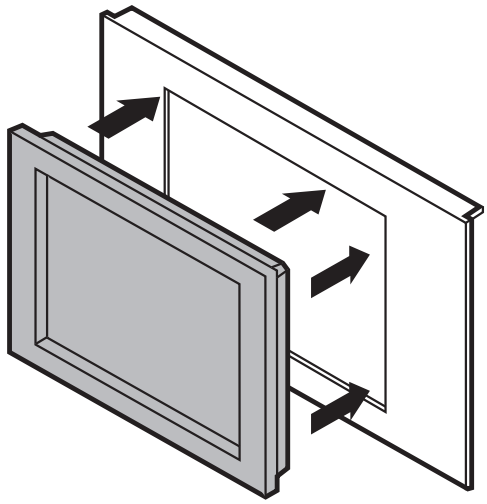
To fix the Touch Panel PC in a control panel, a rectangular cutout 224 mm x 282 mm is required.

Max. material thickness of the panel: 5 mm



► Insert the Touch Panel PC into the cutout.

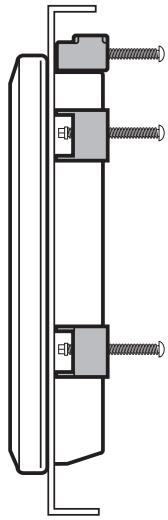
Note that the protection rating of IP64 of the front is only guaranteed with suitable sealing.



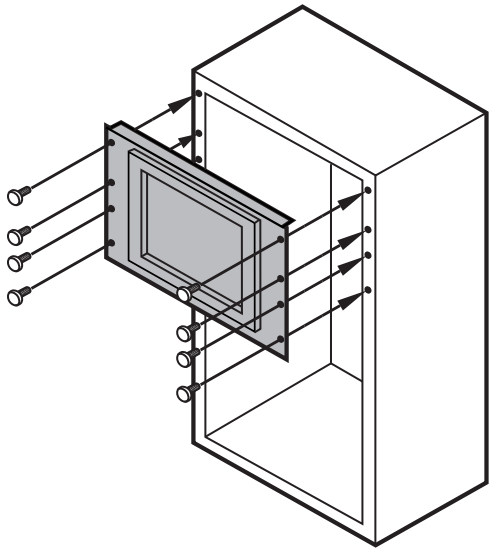
There are matching slots at the side of the Touch Panel PC for fixing the brackets.

► Insert the brackets in the fixing slots.

► Fasten the screws of the brackets to fix the mounting frame.

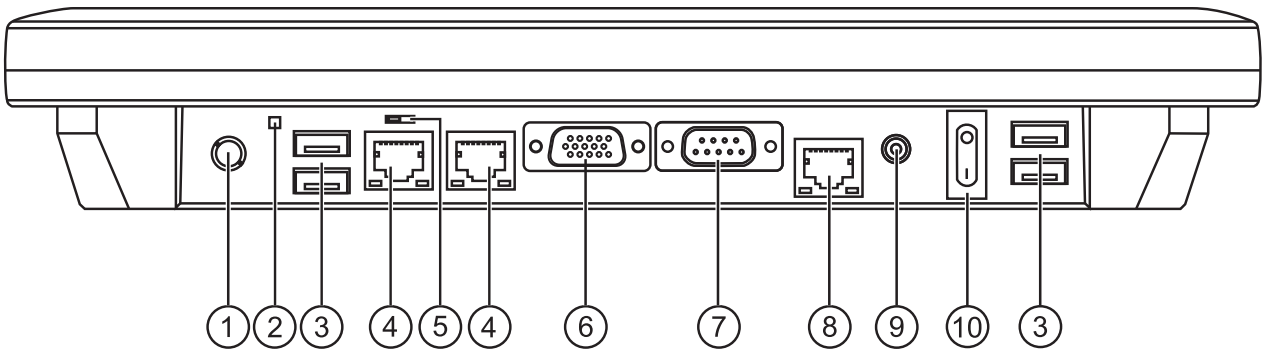


► Insert the mounting frame with the Touch Panel PC in the control cabinet and fasten it.



UK

3 Electrical connection



1: audio output, 3.5 mm jack socket
2: reset button
3: USB 2.0 interfaces
4: RJ45 Ethernet interfaces
5: AT/ATX switch
6: VGA connector
7: COM3 interface (RS232/422/485)
8: COM1 interface (RS232)
9: voltage supply 9...28 V DC
coaxial power connector, lockable
10: mains switch

The Touch Panel PC is supplied via an external power supply (supplied with the device).

► Connect the DC power supply plug with the supply socket (9) of the Touch Panel PC.

► Connect the sensor with the Touch Panel PC via one of the RJ45 Ethernet interfaces (4).

You can find matching connection cables at: **www.ifm.com**.

In addition to the Ethernet interface the Touch Panel PC also has four USB 2.0 and two serial interfaces.

4 Set-up

The Windows® 7 operating system and the user software for the sensors are already preinstalled on the Touch Panel PC.

► Press the mains switch (10) to start.

When the PC is completely started up, the desktop environment is displayed.

4.1 Starting of the operating software of the connector sensor.

On the desktop there are shortcuts to the operating programs of the supported sensors.

► Double-click on the program link to the requested operating program.

> The operating program will start.

For more detailed information about the network configuration and parameter setting we refer you to the programming manual of the sensor.