

Operating instructions for panel PC SlimLine ES Series

This documentation is applicable to all the versions of the product which are supplied.



The panel PC is designed solely for fixed installation in mechanical and plant engineering systems for normal machine applications and industrial use. The panel PC can be fitted with different front panels and housings.

The product designation also includes the following models:

- WM xx(W)-IB32-ES-y (Celeron Bay Trail)
- WM xx(W)-ID32-ES-y (Atom D)
- WM xx(W)-IH32-ES-y (Core i 5th Generation)

The following applies:

xx: Diagonal display measurement in inches

(W): Aspect ratio widescreen or widescreen format (optional)

y: Codes for further options

Please note the safety information in the general operating instructions supplied with the product!

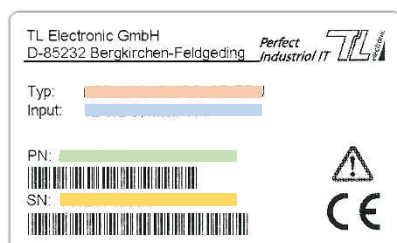
Also available with the product designation (see type plate) under <https://www.tl-electronic.de/download/driver>:

- Quick Start Guide (English)
- User Manual (English)

Product labelling


Type plate

The type plate is located on the **rear of the product**.



- Product designation
- Mains supply
- Product number
- Serial number

CE marking

 The product meets the requirements set out in the EMC Directive 2014/30/EU.

Ambient conditions

Protect the product from dust, moisture, heat and mechanical stress, such as strong vibrations and impact. Keep the product out of direct sunlight. Install the product in such a way that it does not constitute a hazard (e.g. so that it cannot tip over or fall down).

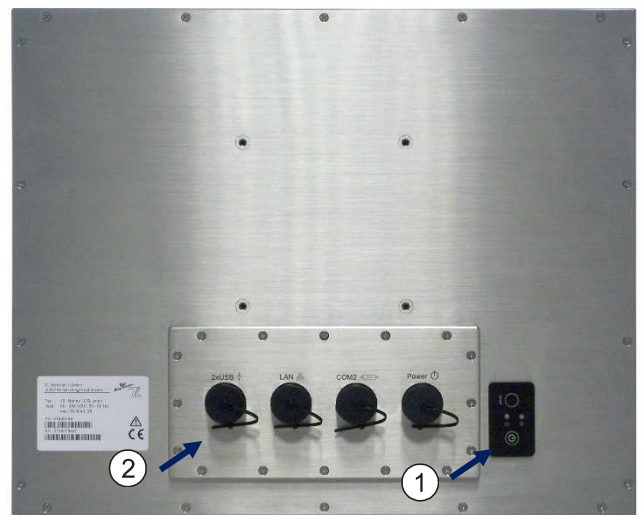
Operation

Operating temperature	0 °C to 45 °C
Atmospheric humidity	30 % to 90 % non-condensing

Transport and storage

Storage temperature	-20 °C to 65 °C
Atmospheric humidity	10 % to 90 % non-condensing

Overview

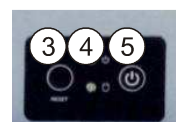


Rear (example product picture)

1. Controls
2. Connections and interfaces

Controls

The controls are located on the back of the product at the bottom.



Bottom rear (example product picture)

3. **Reset button:** restarts the system
4. **LEDs:** status indicators
 - green power supply switched on
 - yellow or red access to hard disk
5. **On/off switch:** switches the product on or off

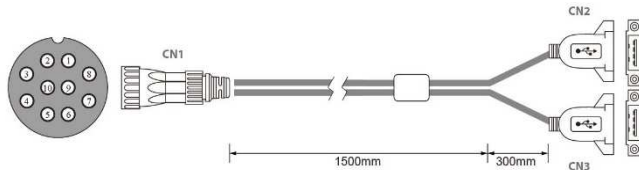
Connections and interfaces



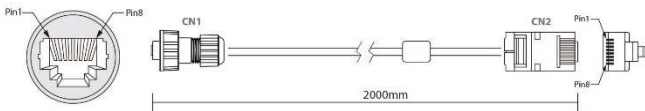
Underside

- 6. 2x USB interface
- 7. Ethernet port
- 8. Serial interfaces (COM2)
- 9. Power supply connection

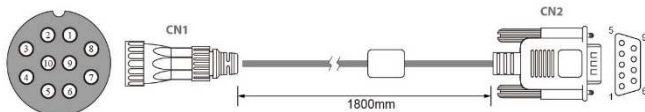
PIN assignment



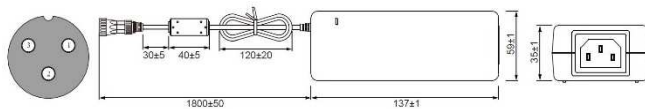
USB



Ethernet



Serial port



Power supply

Power supply

▲ Risk of damage to the product! Check the information on the input voltage range on the type plate before connecting. Use the mains adapter supplied with the product!

▲ Risk of damage to the product! When installing the product in a housing, make sure that the terminals on the terminal block cannot be short-circuited by metal parts or tools!

The power supply socket is located on the rear of the product at the bottom and depends on the configuration (see PIN assignment above).

Operation

Plug the power supply cable into the power supply socket on the product and then connect it to the mains supply.

Switching on

The product is fitted with an on/off switch on the rear. Press the on/off switch to start up the product.

The function of the on/off button can be deactivated by a BIOS option or a hardware modification. The product can then be switched on together with other machines via a central circuit.

Switching off

First shut down then switch off! The operating system must be shut down first and then the product may be switched off. Otherwise the system may be damaged in such a way as to prevent the product from starting up again.

▲ The product is **not** completely disconnected from the power supply when the on/off button or mains switch is switched off!

Rights should be assigned in the control software in such a way that users who are not allowed to close the software are also denied permission to switch off the product. If the product is switched off during a write operation, this file will be destroyed. Control software usually executes write operations automatically every few seconds, so damage can very easily be caused by switching off while the software is running.

Technical data

Dimensions (W × D × H)	384 × 311 × 61 mm
WM 15...	416 × 350 × 61 mm
WM 17...	460 × 385 × 63 mm
WM 19...	550 × 340 × 65 mm
WM 22W...	
Weight	
WM 15...	6.6 kg
WM 17...	8.6 kg
WM 19...	10.2 kg
WM 22W...	12 kg
Protection class	IP65
Wireless capabilities	–
Supply voltage	External mains adapter
Power input	12 V DC

Service

Contact details

Tel.: +49 (0)8131 33204-130

Fax: +49 (0)8131 33204-150

email: service@tl-electronic.de

If you contact the service staff, please have the serial number ready which can be found on the type plate on the product.



Company headquarters

TL Electronic GmbH
Bgm.-Gradl-Str. 1
85232 Bergkirchen-Feldgeding
Germany

Tel.: +49 (0)8131 33204-0

Fax: +49 (0)8131 33204-150

email: info@tl-electronic.de

You can also visit our website at www.tl-electronic.de