Operating instructions industrial box PC EmbeddedLine EL1096

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

The industrial PC is designed solely for fixed installation in mechanical and plant engineering systems for normal machine applications and industrial use.

The product designation also includes the following models:

- EL1096

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

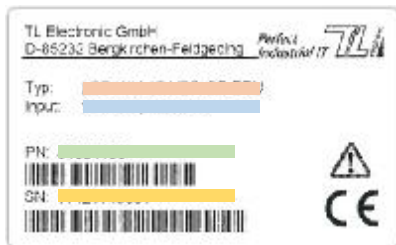Also available with the product designation (see type plate) under https://www.tl-electronic.de/download/driver:

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

⚠ **Warning!** This is an ITE Class A product as defined in DIN EN 55022. This product may cause radio interference in a domestic environment.

Product labelling

Type plate

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

▬	Product designation
▬	Mains supply
▬	Product number
▬	Serial number

CE marking

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

For the product with optional wireless equipment: 3G, 4G, WLAN

CE **EU declaration of conformity**: TL Electronic GmbH hereby declares that the radio equipment type EL1096 complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following Internet address: https://www.tl-electronic.de/download/ driver

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 with hard disk drive 0 °C to 50 °C with solid-state drive
Atmospheric humidity	5 % to 95 % non-condensing

Transport and storage

Storage temperature	-20 °C to 65 °C
Atmospheric humidity	5 % to 95 % non-condensing

Connections and controls

Rear

Front

1. **Power supply connection**: 3-pin terminal block, input voltage 12 / 24 volts DC
2. COM1
3. DP
4. USB 2.0
5. USB 3.0
6. HDMI
7. 2 × RJ45 Ethernet
8. Line out audio output
9. COM2: serial RS-232/422/485 interface (RI / 5 V / 12 V)
10. COM3 and COM4: RS-232 (Option)
11. USB 2.0
12. **On/off switch**: switches the product on and off

The input voltage range is indicated on the type plate. Check the information on the type plate before switching on.

Operation

Plug the optional mains adapter 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.

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 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)	217.5 × 148 × 45 mm
Weight	approx. 1.8 kg
Protection class	IP20
Wireless capabilities	Optional: 3G, 4G, WLAN
Supply voltage	12 / 24 V DC
Power input	35 W type

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

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