

Operating instructions for Embedded PC BS-U830 und BS-U830E

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.

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>:

- User Manual (English)

⚠ Warnung! Dies ist eine Einrichtung der ITE Klasse A nach DIN EN 55022. Diese Einrichtung kann im Wohnbereich Funkstörungen verursachen.

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



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

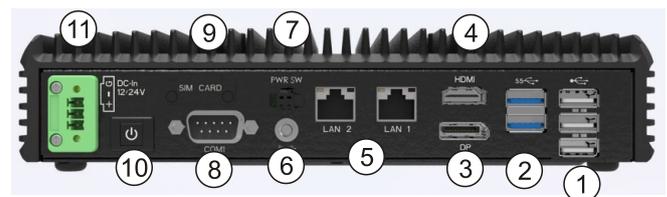
Operating temperature	0 °C bis 60 °C
-----------------------	----------------

Atmospheric humidity	20 % bis 90 % non condensing
----------------------	------------------------------

Transport and storage

Operating temperature	-40 °C bis 85 °C
Atmospheric humidity	20 % bis 90 % non condensing

Connections and controls



Front



Back



Back PoE SKU

- 5x USB 2.0
- 2 x USB 3.0
- DP
- HDMI
- LAN 1 & 2 (PoE SKU LAN 3 & 4)
- Line-out-Audio
- Remote Switch
- COM 1 – COM 2: Serial interface
- SIM Slot
- ON and Off switch**: Switching the device on and off
- DC Power Input
- DIO

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 will start up after the power supply has been connected.

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.

Technische Daten

Dimensions (B × T × H)	217,5 × 140,6 × 50 mm
Gewicht	ca. 2 kg
Protection class	IP20
Wireless capabilities	–
Supply voltage	12 / 24 V DC
Power consumption	72 W – 120 W max.

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