Operating instructions for tablet PC M101H/S, M101B//BKBL/BT/P/Q8/RK/WK

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

The tablet PC is designed solely for use as a portable unit or for use with the optional docking station in mechanical and plant engineering systems for normal machine applications and industrial use.

The product designation also includes the following models:

- M101B//H/S/P/Q8/WK/RK
  25.7 cm (10.1") LCD 1920 × 1200 pixels
- M101BL   25.7 cm (10.1") LCD 1280 × 800 pixels
- M101BT   25.7 cm (10.1") LCD 1280 × 800 pixels and smart card reader
- M101H/S/WK   different CPU version
- M101Q8/RK   different CPU version/Android
- M101BK   20,3 cm (8") LCD 1280 x 800 with Keyboard

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 **inside of the battery compartment**.

🟧	Product designation
🟦	Mains supply
🟨	Serial number
🟩	MAC address
⬜	Other market approvals

EU declaration of conformity: TL Electronic GmbH hereby declares that the radio equipment type M101Bx/P, M101H/S/WK and M101Q8/RK 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
This product is supplied with the following wireless features: Wireless LAN, Bluetooth 3.0/4.0, GPS, 3G/4G (optional)

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

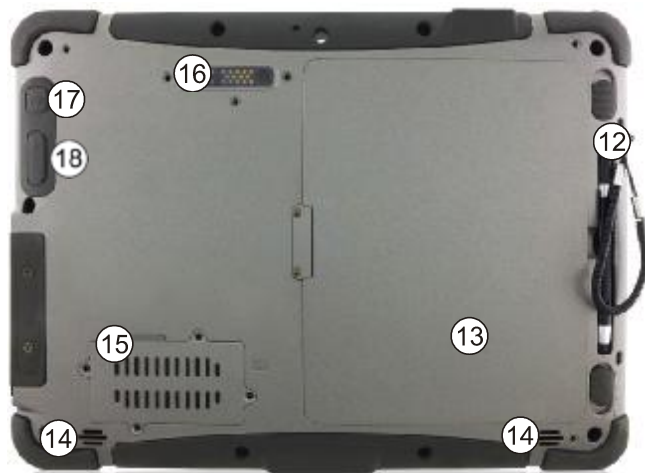|	
Operating temperature M101Bx/P	-10 °C to 50 °C with CompactFlash, IDE Flash or automotive hard drive
Operating temperature M101H/S/WK	-10 °C to 50 °C (battery operation) -20 °C to 60 °C (mains operation)
Operating temperature M101Q8/RK	-20 °C to 60 °C (battery operation) -10 °C to 50 °C (mains operation)
Atmospheric humidity M101H/S/WK	10 % to 90 % non-condensing
Atmospheric humidity M101Bx/P/Q8/RK	30 % to 90 % non-condensing

Transport and storage

Storage temperature M101Bx/P	-20 °C to 65 °C
Storage temperature M101H/S/WK	-30 °C to 70 °C
Storage temperature M101Q8/RK	-20 °C to 60 °C
Atmospheric humidity	10 % to 90 % non-condensing

Overview

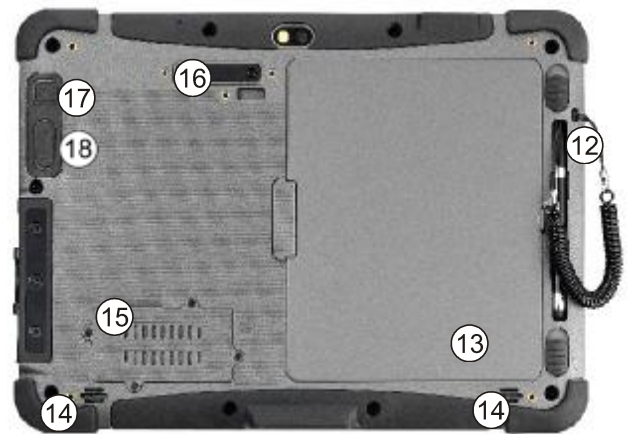### Controls and interfaces

Front

Rear M101Bx/P

Rear M101H/S/WK

Rear M101Q8/RK

Top M101Bx and M101Q8/RK

Top M101H/S/WK

Underside

1. Microphone (M101Bx/P/Q8/RK and M101H/S/WK only)
2. Front camera
3. Light sensor (M101Bx/P/Q8/RK and M101H/S/WK only)
4. LED indicators
   M101Q8/RK: orange = charging, green = charged,
   blue = receiving data
5. I/O ports M101Bx/P and M101H/S/WK: Micro-HDMI, LAN/COM combo, USB 3.0, audio line out and mic in, microSD, **charger / mains adapter socket**
   M101Q8/RK: USB 2.0 OTG, audio line out and mic in, microSD, **charger / mains adapter socket**
6. Home / menu button
7. **On/off switch**: switches the product on or off
8. Function key
9. Rubber corner protector
10. Touch screen display
11. Camera
12. Capacitive stylus
13. Battery compartment
14. Loudspeaker
15. Slot cover for 3G module and SIM card
16. Connection for optional extensions
17. Function key
18. Volume control
19. 2D bar code scanner (optional)
20. Docking station connection

Charger / mains adapter socket

On the right side of the housing there is a socket underneath a flap for connecting the power supply.

Connections on M101Bx/P and M101H/S/WK

Connections on M101Q8/RK

Only use the mains adapter supplied with the product to charge the product.

Operation

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

Note the information on the mains voltage on the type plate.

Switching on

The product is fitted with an on/off switch on the front. Press the on/off switch for a few seconds 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 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.

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

Technical data

Dimensions (W × D × H) M101Bx/P: M101H/S/WK: M101Q8/RK:	271.8 × 197.2 × 19 mm 271.8 × 197.2 × 21 mm 271.8 × 197.2 × 19 mm 271.8 × 198.2 × 21 mm (inc. bar code reader)
Weight M101Bx/P: M101H/S/WK: M101Q8/RK:	1.2 kg 1.25 kg 1.15 kg
Protection class	IP65
Wireless capabilities M101Bx/P M101H/S/WK	WLAN: IEEE 802.11 a/b/g/n Bluetooth 4.0 GPS 3G (optional)
Wireless capabilities M101Q8/RK	WLAN: IEEE 802.11 a/b/g/n Bluetooth 3.0 GPS 3G/4G (optional)
Rechargeable battery M101Bx/P: M101H/S/WK: M101Q8/RK:	7.4 volts DC Li-polymer battery (2S1P) 5300 mAh 5300 or 10600 mAh 5140 mAh
Power supply	External mains adapter
Supply voltage M101Bx/P/RK and M101H/S/WK: M101MQ8:	 19 volts DC 12 volts DC