KOMPLEX®

SML 2 AND SML 2 RTK DATASHEET

KEY FEATURES

1. Detecting of Komplex® Smart Markers
2. Detection of analog markers
3. Inbuilt camera
4. *SML 2:* Inbuilt GPS navigation
5. *SML 2 RTK:* Integrated GNSS receiver with RTK
6. *SML 2 RTK:* Centimeter-level positioning accuracy
7. Realtime communication with server
8. Offline working mode
9. Displaying of markers on Google map
10. High resolution touch screen
11. IP68 Industrial dual SIM smartphone
12. Web browser
13. Adjustable antenna bar
14. Removable cell phone control unit
15. Wireless Bluetooth® communication
16. Wi-Fi
17. Marker Database® software support
18. Multi-frequency locating with replaceable antenna

SML 2

MARKER® database



SML 2 RTK | SML 2

THE CONTENTS OF THE DELIVERY

- SML 2 – 1 pc
- Rechargeable battery for SML 2/SML 2 RTK – 1 pc – already inbuilt
- Industrial cell phone CIPHERLAB – 1 pc
- Single-frequency RFID loop antenna – 1 pc
  (types and number of antennas according to the purchase order)
- Battery charger for SML 2/ SML 2 RTK – 1 pc
- Battery charger for CIPHERLAB RS51 – 1 pc
- Transport bag – 1 pc
- Unlimited license for Marker Database® software

Each frequency requires a different RFID loop antenna.

TECHNICAL SPECIFICATIONS SML 2 AND SML 2 RTK

		SML 2 RTK	SML 2
Operating system	Android 14	✓	✓
CPU	Hello G36 2.2 GHz	✓	✓
Memory	Min. 16 GB Flash/4 GB RAM	✓	✓
Expansion	Micro SD card slot	✓	✓
SIM/Supported SIM card	2 SIM slots/Micro SD, SDHC, SDXC (max. 256 GB)	✓	✓
Working hours	Min. 12 hours	✓	✓
Operating power	Rechargeable 6 500 mAh; Li-ion battery/3.75 V 5 300 mAh	✓	✓
Wireless communication	WWAN (2G, 3G, 4G, 5G LTE), WLAN, WPAN, Bluetooth®	✓	✓
GPS	Integrated GPS module with standard GPS location accuracy	✓	✓
GPS	**Integrated GNSS receiver with RTK support enabling centimeter-level positioning accuracy**	✓	✗
GNSS/RTK communication parameters	– Positioning: GNSS + RTK – Correction mechanism: RTK – Correction protocol: NTRIP Client – Correction data format: RTCM 3.x – Transmission interface: TCP/IP – **Communication interface: LTE/4G/5G/Wi-Fi** – Correction source: NTRIP Caster/reference station network – **NTRIP Client v2.0 support for receiving RTCM 3.x RTK correction data**	✓	✗
Camera	Autofocus 13 megapixels	✓	✓
Display	6.56'' IPS LCD; capacitive touch	✓	✓
Operating frequency*	83.0 kHz, 101.4 kHz, 121.6kHz, 134.0 kHz, 145.7 kHz *For each frequency is necessary to use corresponding antenna	✓	✓
Weight *(Locator with one antenna)*	Max. 2,5 kg	✓	✓
Adjustable length of antenna bar	Yes: 85-116 cm	✓	✓
Data storing modes	**Online mode:** Automatic data uploading to cloud based storage **Offline mode:** Data storing into the device's internal memory. Data can by uploaded to cloud based storage memory after changing back to online mode.	✓	✓
Digital maps support	Google maps integrated	✓	✓
37 x 90 x 26 cm (W x L x H)	Max. 7 kg	✓	✓