Ulefone Rugged King Global Version

Ulefone RugKing Android 15 Rugged Smartphone User Manual

Model: Rugged King Global Version | Brand: Ulefone

1. INTRODUCTION

Welcome to the user manual for your Ulefone RugKing Android 15 Rugged Smartphone. This device is engineered for durability and high performance, featuring a robust design, advanced camera capabilities, a powerful battery, and the latest Android operating system. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.

Figure 1: Ulefone RugKing Android 15 Rugged Smartphone. This image displays the front and back of the Ulefone RugKing smartphone, highlighting its rugged design and prominent rear speaker.

Key Features:

- **Operating System:** Android 15 for enhanced security and features.
- **Durability:** IP68/IP69K waterproof, dustproof, and MIL-STD-810G drop-proof.
- **Battery:** Massive 9600mAh battery with 18W fast charging and OTG reverse charging.
- **Performance:** Unisoc T7255 Octa-Core processor with up to 16GB RAM (8GB physical + 8GB virtual) and 256GB ROM (expandable to 2TB).
- **Audio:** 126dB Bass Speaker for powerful sound.
- **Camera:** 50MP main camera, 8MP front camera, with support for underwater photography.
- **Special Features:** Built-in 126 Lumens Glare Flashlight, AI Assistant (Google Gemini & Ulefone AI Pro), NFC, Fingerprint ID, Face Unlock, and a Digital Toolbox.

Product Overview Video:

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Video 1: Ulefone RugKing Rugged Phone Overview. This video provides a general overview of the Ulefone RugKing smartphone, showcasing its design and key features.

2. SETUP

2.1 Box Contents:

- Ulefone RugKing Smartphone
- AC Power Charger (100~240V)
- Type-C to Type-C Data Cable (100cm)
- Screen Protector (pre-applied or in box)
- SIM Tray Ejector
- Lanyard

2.2 SIM Card and SD Card Installation:

The Ulefone RugKing supports a 3-card slot design, allowing for two Nano SIM cards and one TF (microSD) card for storage expansion up to 2TB.

1. Locate the SIM card tray on the side of the device.
2. Insert the SIM tray ejector tool into the small hole next to the tray and push gently until the tray pops out.
3. Place your Nano SIM cards and/or TF card into the designated slots on the tray. Ensure they are correctly oriented.
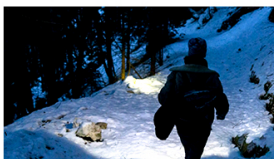4. Carefully push the tray back into the device until it is flush with the side.

Figure 2: SIM card tray and Type-C port. This image illustrates the location of the SIM card tray and the Type-C charging port on the Ulefone RugKing smartphone.

2.3 Powering On/Off:

- **To Power On:** Press and hold the Power button (usually on the right side) until the Ulefone logo appears.
- **To Power Off:** Press and hold the Power button until the power options menu appears, then select "Power off."

- **To Restart:** Press and hold the Power button until the power options menu appears, then select "Restart."

Unboxing and Setup Video:

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Video 2: Ulefone RugKing Unboxing. This video demonstrates the unboxing process and initial setup of the Ulefone RugKing smartphone.

3. OPERATING YOUR DEVICE

3.1 Basic Navigation (Android 15):

Your Ulefone RugKing runs on Android 15, offering an intuitive and customizable user experience. Navigate using gestures or traditional on-screen buttons (configurable in Settings).
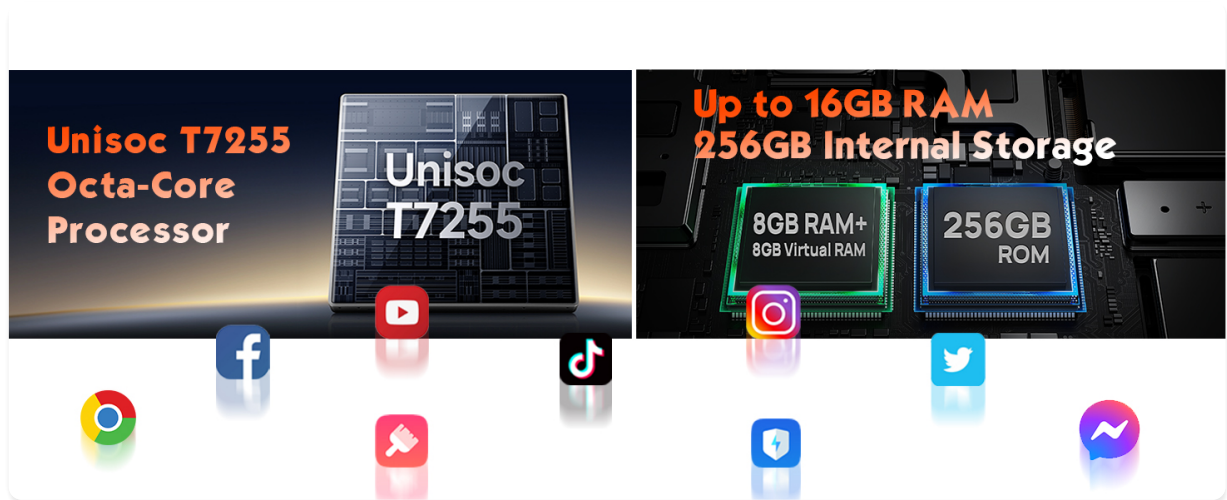

Figure 3: Android 15 Interface. This image shows the clean and user-friendly interface of Android 15 on the Ulefone RugKing.

3.2 Display Features:

The 5.99-inch HD+ screen provides a clear and vibrant viewing experience with 910 nits Max Brightness, ensuring readability even in direct sunlight.

Figure 4: Vibrant Display. This image highlights the 5.99-inch HD+ display of the Ulefone RugKing, showcasing its clarity and color.

3.3 Performance:

Powered by the Unisoc T7255 Octa-Core processor, the RugKing offers powerful and stable performance. With up to 16GB of RAM (8GB physical + 8GB virtual memory expansion) and 256GB of internal storage (expandable to 2TB), you can enjoy smooth multitasking and ample space for your apps and media.
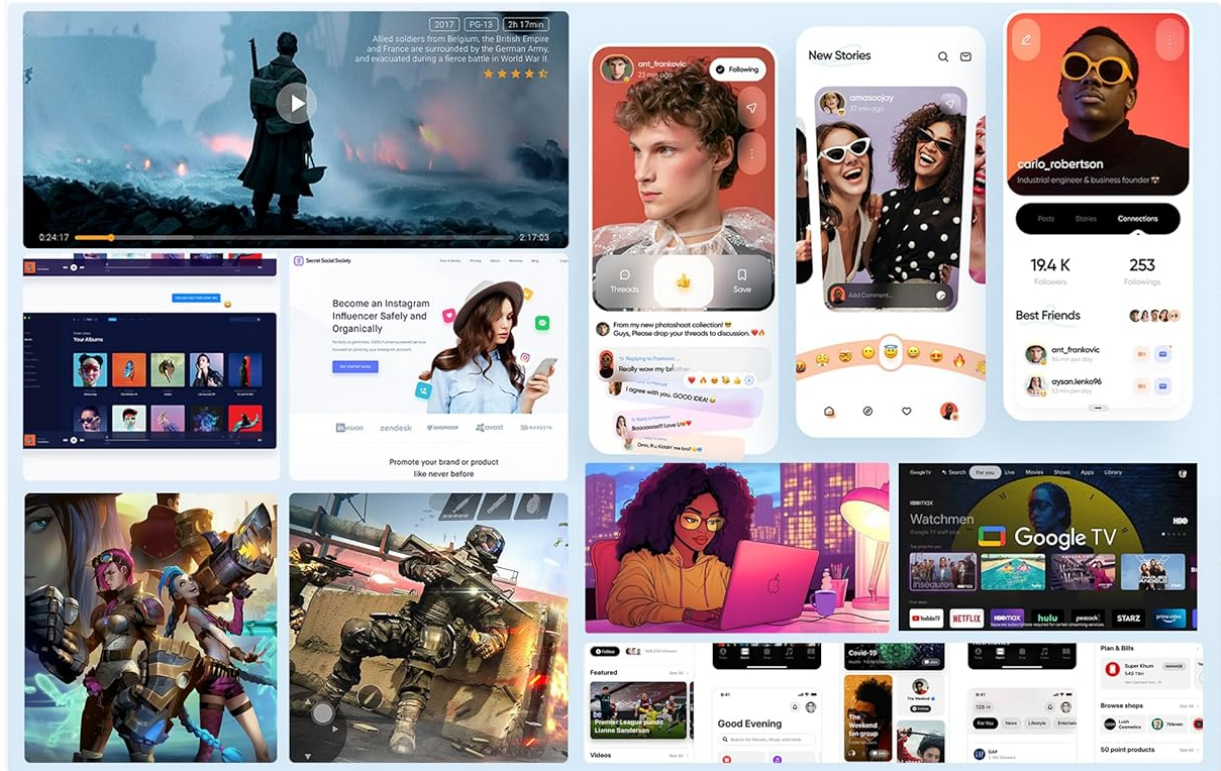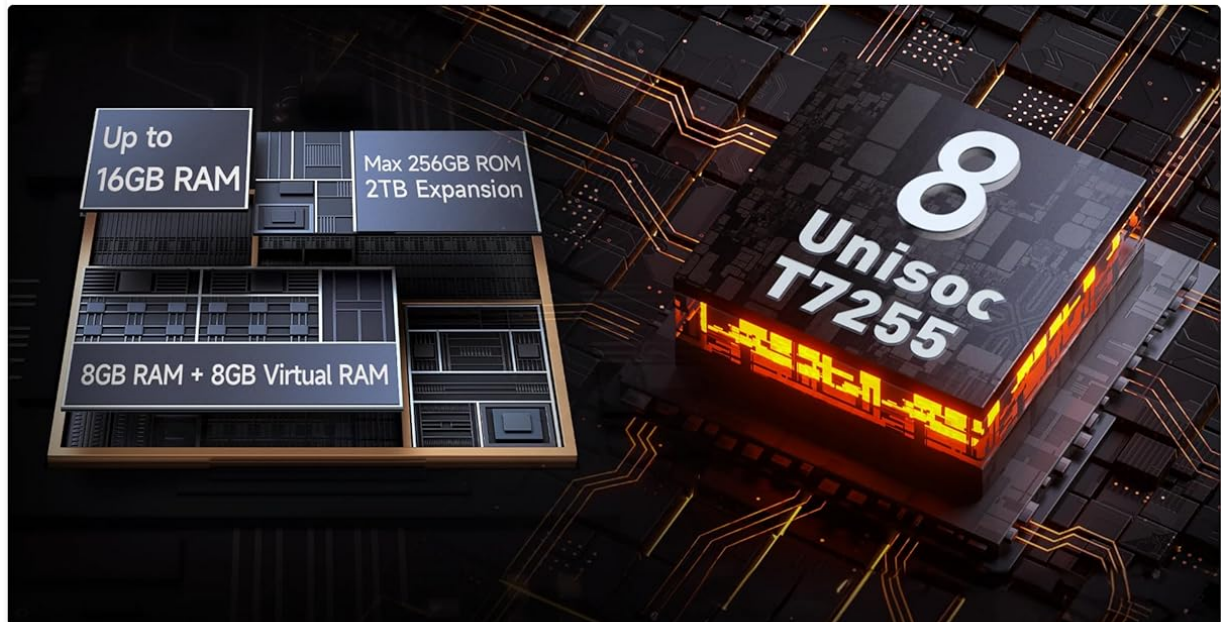

Figure 5: Performance Overview. This image details the Unisoc T7255 Octa-Core processor, 16GB RAM, and 256GB ROM with 2TB expansion capability.

3.4 Camera Features:

Capture stunning photos and videos with the 50MP rear camera and 8MP front camera. The device also supports underwater photography, allowing you to capture moments in unique environments.

- **50MP Main Camera:** For high-resolution photos.

- **8MP Front Camera:** For clear selfies and video calls.
- **Underwater Photography:** Specialized mode for capturing images underwater.

Figure 6: Camera System. This image showcases the 50MP main camera and 8MP front camera, highlighting their capabilities for various photography scenarios.

3.5 Audio:

Experience powerful and clear audio with the 126dB Bass Speaker, featuring 3.5W loudness and an 11.5 CC sound cavity. Ideal for noisy environments or enjoying media.

Figure 7: Loud Speaker. This image emphasizes the 126dB Bass Speaker, illustrating its powerful audio output.

3.6 Built-in Glare Flashlight:

The integrated 126 Lumens Glare Flashlight provides bright, flicker-free illumination, perfect for outdoor activities, emergencies, or everyday use.

Figure 8: Glare Flashlight. This image shows the built-in 126 Lumens Glare Flashlight in action, illuminating a dark environment.

Flashlight Test Video:

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Video 3: Ulefone Armor X31 Series Flashlight Test. This video demonstrates the brightness and effectiveness of the flashlight feature on a Ulefone Armor series phone, similar to the RugKing.

3.7 AI Assistant (Google Gemini & Ulefone AI Pro):

Leverage the power of AI with Google Gemini and Ulefone AI Pro for tasks like AI recording summary, AI writing assist, Ulefone Screen Search, and AI Calculator. Note: Third-party app audio recording depends on the app's features and permissions.
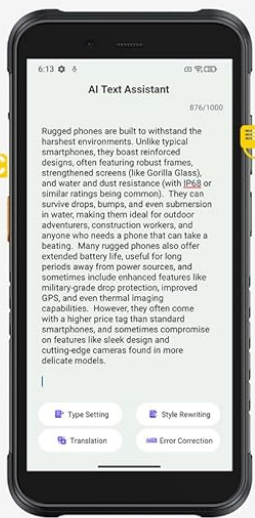
Figure 9: AI Capabilities. This image illustrates the various AI features available on the Ulefone RugKing, including AI Text Assistant and Ulefone Screen Search.

3.8 Connectivity:

- **4G LTE Dual SIM:** Supports global 4G frequency bands, compatible with most carriers like T-Mobile and Metro PCS. Not compatible with AT&T, Cricket, or CDMA carriers like Verizon.
- **Wi-Fi:** Supports 2.4G/5G Wi-Fi for fast internet access.
- **NFC:** For convenient mobile payments (Google Pay) and data transfer.
- **GPS:** Integrated GPS/GLONASS/Beidou/Galileo navigation system.

3.9 Security Features:

- **Fingerprint ID:** Unlock your device quickly and securely with your fingerprint.

- **Face Unlock:** Use facial recognition for convenient access.

3.10 Digital Toolbox:

The built-in Digital Toolbox offers a suite of useful tools for outdoor and professional use, including Compass, Gradenter, Flashlight, Hanging Painting, Height Meter, Magnifier, Alarm bell, Pedometer, Plumb bob, Protractor, Noise Test, and Barometer.

Figure 10: Digital Toolbox. This image displays the various tools available in the Ulefone RugKing's Digital Toolbox, useful for outdoor activities.

3.11 uSmart Expansion Connector:

The uSmart Expansion Connector allows compatibility with various Ulefone accessories such as endoscopes and microscopes (sold separately), extending the phone's utility for specialized tasks.

Figure 11: uSmart Expansion. This image shows the uSmart Expansion Connector and compatible accessories like endoscopes and charging docks.

4. MAINTENANCE

4.1 Durability:

The Ulefone RugKing is built to withstand harsh environments, meeting IP68 & IP69K waterproof and MIL-STD-810G standards. It can operate underwater within 2m depth for up to 30 minutes, withstand drops from 2m, and is 99% resistant to dust, dirt, and sand. It also functions in a wide operating temperature range of -20°C to 50°C.

Figure 12: Rugged Durability. This image highlights the IP68/IP69K and MIL-STD-810G certifications, showing the phone's resistance to water, drops, and dust.

Durability Test Video:

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Video 4: Ulefone Armor 22 Durability Test. This video demonstrates the durability of a Ulefone Armor series phone, showcasing its resistance to various impacts and environmental factors.

4.2 Battery and Charging:

The 9600mAh massive battery provides extended usage times. It supports 18W fast charging and can also function as a power bank for other devices via OTG cable. Dock charging is also supported (dock charger sold separately).
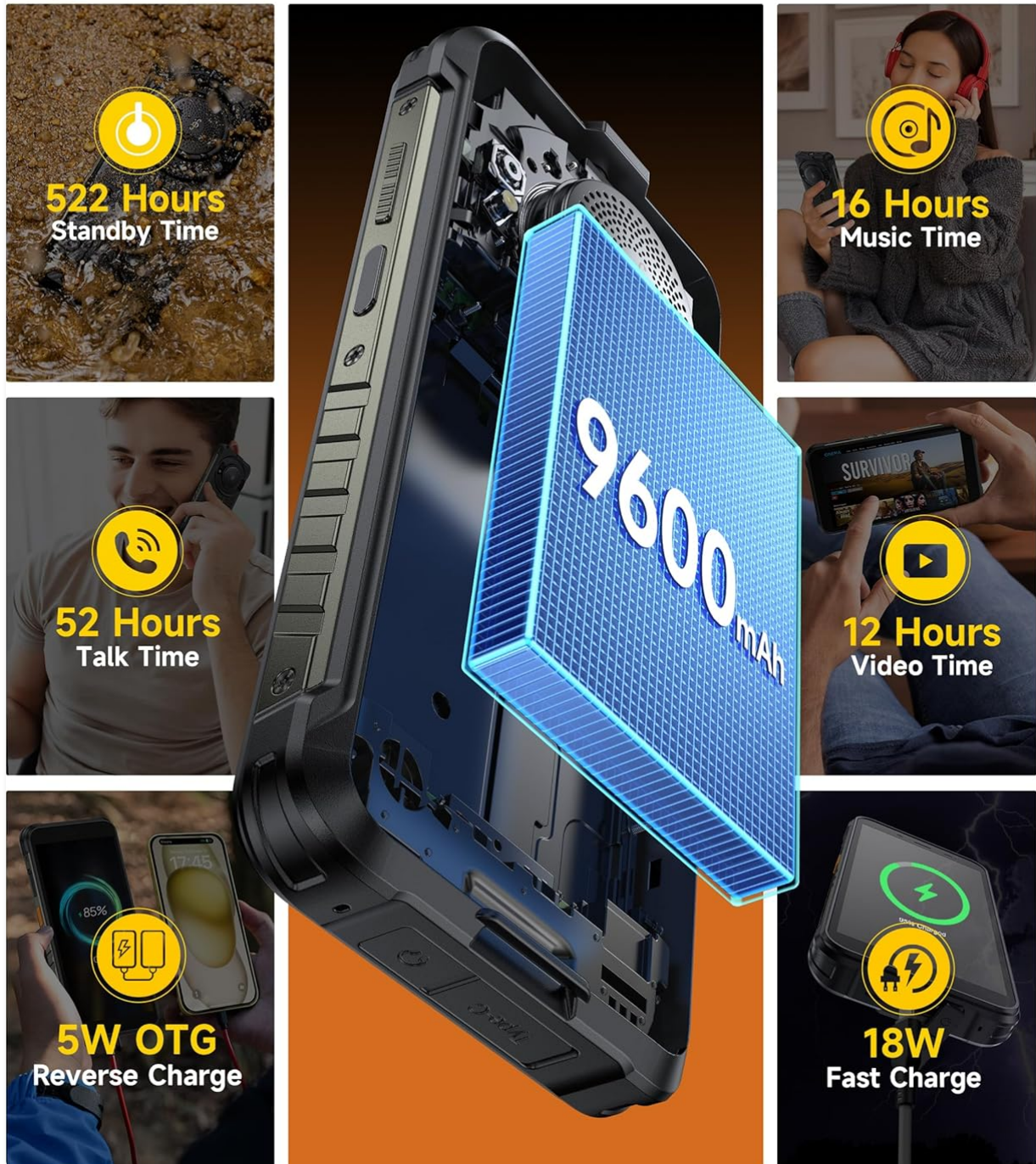
Figure 13: Long-lasting Battery. This image illustrates the 9600mAh battery capacity and features like 18W fast charging and 5W OTG reverse charging.

5. TROUBLESHOOTING

- **Device not powering on:** Ensure the battery is charged. Connect to the charger and try again. If unresponsive, perform a force restart by holding the power button for 10-15 seconds.
- **Apps freezing or lagging:** Close background applications, clear app cache, or restart the device. Ensure sufficient storage space.
- **Poor network connectivity:** Check SIM card insertion, ensure mobile data is enabled, or try restarting the device. Verify carrier compatibility.
- **Water damage concerns:** While rugged, ensure all port covers are tightly sealed before water exposure. After exposure, dry the device completely before charging or using the headphone jack.

- **Speaker issues:** If the speaker sounds distorted or muffled after water exposure, ensure it is completely dry. Do not use the device if speaker noises persist or if the phone was broken or after destructive test.
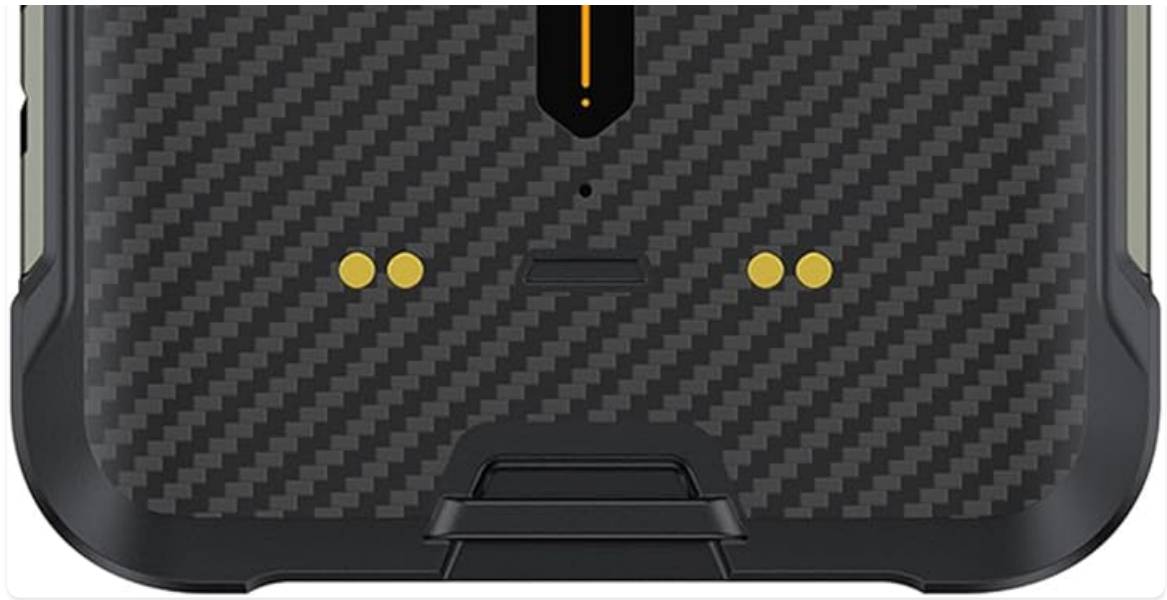
6. SPECIFICATIONS

Product Marketing Name (PMN): RugKing
FVIN: N/A
HVIN: GQ3103RH   IC: 12564A-3103RH
FCC ID: 2AOWK-3103

A/S Center: +86 755 83892089   Made in China
Mfr.Name: Shenzhen Gotron Electronic CO.,LTD

Figure 14: Device Back Panel. This image shows the back of the Ulefone RugKing, including the camera module, speaker, and regulatory markings.

Feature	Detail
Operating System	Android 15
Processor	Unisoc T7255 Octa-Core
RAM	16GB (8GB physical + 8GB virtual)
Internal Storage	256GB (expandable up to 2TB with TF card)
Display	5.99" HD+ (720 x 1560), 910 nits Max Brightness
Rear Camera	50MP
Front Camera	8MP
Battery Capacity	9600mAh
Charging	18W Fast Charging, OTG Reverse Charging, Dock Charging Support
Durability	IP68/IP69K Waterproof & Dustproof, MIL-STD-810G Drop-proof
Speaker	126dB Bass Speaker (3.5W, 11.5 CC Sound Cavity)
Flashlight	Built-in 126 Lumens Glare Flashlight
Connectivity	4G LTE Dual SIM, 2.4G/5G Wi-Fi, NFC, GPS/GLONASS/Beidou/Galileo
Security	Fingerprint ID, Face Unlock
Dimensions	6.83 x 3.28 x 0.72 inches
Weight	1.62 pounds

7. WARRANTY AND SUPPORT

Your Ulefone RugKing smartphone comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including coverage duration and service procedures.
For technical support, troubleshooting assistance, or warranty claims, please contact Ulefone customer service through their official website or the contact information provided in your warranty documentation.