

Ulefone Ulefone Armor 24

Ulefone Armor 24 User Manual

Model: Ulefone Armor 24

Rugged Smartphone with 22000mAh Battery, Night Vision Camera, and 1000LM LED Light

1. INTRODUCTION

The Ulefone Armor 24 is a rugged smartphone designed for durability and extended use in challenging environments. It features an ultra-large 22000mAh battery, a powerful 1000LM LED light, advanced camera systems including a 64MP IR night vision camera, and a robust build compliant with IP68/IP69K/MIL-STD-810H standards. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1.1: Ulefone Armor 24 highlighting its versatile light and robust design.

2. PACKAGE CONTENTS

Please check your retail package for the following items:

- Ulefone Armor 24 Smartphone
- Power Adapter (66W)
- USB-C Cable
- Protective Film (Pre-applied)

- SIM Needle
- User Manual
- Warranty Card

3. DEVICE LAYOUT

Familiarize yourself with the physical components of your Ulefone Armor 24.



Figure 3.1: Front and rear view of the Ulefone Armor 24 smartphone.



Figure 3.2: Detailed rear view of the Ulefone Armor 24, highlighting the camera module and large LED light.

Key Components:

- **Front Camera:** For selfies and video calls.
- **Display:** 6.78-inch FHD+ 120Hz screen.
- **Power Button/Fingerprint Sensor:** Located on the side for convenient access and secure unlocking.
- **Volume Buttons:** Adjust audio levels.
- **Customizable Key:** A dedicated button that can be programmed for quick access to specific functions.

- **USB-C Port:** For charging and data transfer. Protected by a seal.
- **Headphone Jack:** Standard 3.5mm audio jack. Protected by a seal.
- **SIM/TF Card Slot:** Supports two Nano SIM cards and one Micro SD/TF card for expanded storage (up to 2TB).
- **Rear Cameras:** Includes a 64MP main camera and a 64MP IR night vision camera.
- **LED Light:** A powerful 1000LM LED light on the rear for illumination.
- **uSmart Expansion Connector:** A dedicated port for connecting external uSmart accessories like endoscopes or microscopes.

4. SETUP

4.1 SIM and TF Card Installation

1. Locate the SIM/TF card slot on the side of the device.
2. Insert the SIM needle into the small hole next to the tray to eject it.
3. Place your Nano SIM cards and/or Micro SD/TF card into the appropriate slots on the tray. Ensure correct orientation.
4. Carefully reinsert the tray into the phone until it clicks into place.

4.2 Initial Charging

Before first use, fully charge your Ulefone Armor 24. The device supports 66W fast charging.

1. Open the protective seal covering the USB-C port at the bottom of the phone.
2. Connect the provided USB-C cable to the phone and the 66W power adapter.
3. Plug the power adapter into a wall outlet.
4. The charging indicator will appear on the screen. A full charge can take approximately 30 minutes for 50% charge.
5. Once charging is complete, securely close the protective seal to maintain water and dust resistance.

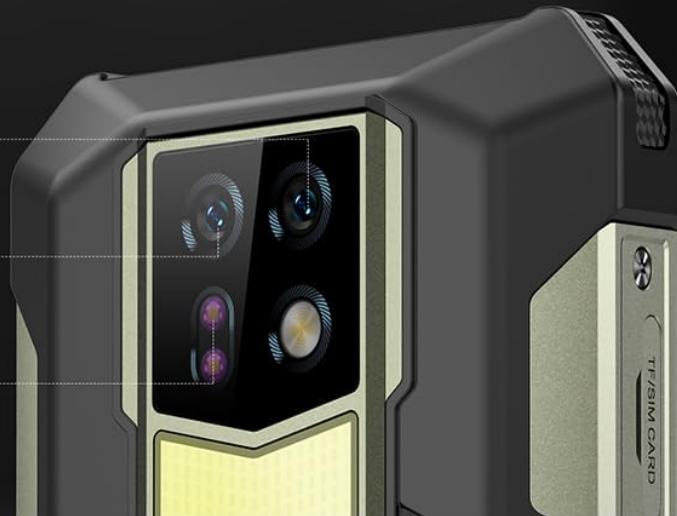
Advanced Photography Arise 64MP + 64MP Dual Main Camera

Armor 24 features a dual camera setup on the rear side that consists of a 64MP wide-angle camera and a 64MP night vision camera, bringing the camera performance to new heights.

Wide-Angle
64MP

Night Vision
64MP

IR LEDs
Two



Pro Mode Panorama Mode Slow Motion Time Lapse Film Mode Intelligent Scanning



Figure 4.1: The Ulefone Armor 24 supports 66W fast charging for its large 22000mAh battery.

7 Days Nonstop Powerhouse 22000mAh Ultra Capacity

With unprecedented capacity of 22000mAh, Armor 24 redefines what it means to stay connected, explore, and conquer the great outdoors. Stay powered up for 7 days without bother of constantly searching for charging points or running out of battery during outdoor adventures. Even in challenging environments, it offers you peace of mind.



Standby Time
1300 Hrs

Call Time
100 Hrs

Video Playback
33 Hrs

*Power consumption data are from Ulefone lab, which will be varied by actual usage.

Figure 4.2: The 22000mAh ultra-capacity battery provides extended usage times.

4.3 Power On/Off

- **Power On:** Press and hold the Power button until the Ulefone logo appears.
- **Power Off:** Press and hold the Power button until the power options appear on the screen, then select "Power off".
- **Restart:** From the power options, select "Restart".

4.4 Initial Android 14 Setup

Upon first power-on, follow the on-screen prompts to complete the initial setup of your Android 14 system. This includes selecting your language, connecting to Wi-Fi, setting up your Google account, and configuring security features like fingerprint and face unlock.



Figure 4.3: The Ulefone Armor 24 runs on the latest Android 14 operating system.

5. OPERATING YOUR DEVICE

5.1 Display Features

The Ulefone Armor 24 features a large 6.78-inch FHD+ IPS display with a 120Hz refresh rate and 240Hz touch sampling rate, protected by Corning Gorilla Glass 5 for scratch and shock resistance.



Figure 5.1: The 6.78-inch FHD+ 120Hz display offers smooth visuals.



Figure 5.2: Display details including resolution, refresh rate, and touch sampling rate.

5.2 Memory and Storage

The device comes with 8GB RAM and 256GB ROM, expandable up to 24GB RAM (with 12GB virtual RAM) and 2TB via TF card. This ensures smooth multitasking and ample storage for your files.



Figure 5.3: Memory and storage capabilities of the Ulefone Armor 24.

5.3 Camera Features

Capture high-quality photos and videos with the versatile camera system:

- **64MP Main Camera:** For clear and detailed everyday photography.
- **64MP IR Night Vision Camera:** Equipped with two IR LEDs, this camera allows you to see clearly in complete darkness, ideal for wildlife observation or security checks.
- **16MP Front Camera:** For high-resolution selfies and video calls.



Figure 5.4: Dual main camera setup featuring 64MP wide-angle and 64MP night vision lenses.



Figure 5.5: The 64MP Night Vision Camera utilizes powerful IR sensors for clear visuals in low light or total darkness.

5.4 1000LM Camping Light

The Ulefone Armor 24 features an integrated 1000-lumen LED light on its rear, providing powerful illumination for various situations. It offers three brightness levels (High, Middle, Low) and three lighting modes (Lighting, Sharp Light, SOS).



Figure 5.6: The powerful 1000LM built-in LED light on the back of the phone.

- **One-Key Switch:** Easily activate the light using a dedicated physical switch.
- **Brightness Settings:** Adjust the intensity of the light through the phone's interface.
- **Lighting Modes:** Choose between steady illumination, a sharper beam, or an SOS signal for emergencies.

5.5 Reverse Charging

The Ulefone Armor 24's large 22000mAh battery can also function as a power bank, providing 10W reverse charging to other devices.

1. Open the protective seal covering the USB-C port.
2. Connect a compatible USB-C to USB-C cable (or appropriate adapter cable) from your Armor 24 to the device you wish to charge.

3. Ensure the charging direction is set correctly on your Armor 24 if prompted.
4. Securely close the protective seal after use.

5.6 Other User-Friendly Features



Figure 5.7: Overview of additional user-friendly features.

- **3-Card Slot Design:** Supports 2 Nano SIM cards and 1 Micro SD/TF card simultaneously.
- **Glove Mode:** Allows for touch screen operation even when wearing gloves. Activate this feature in settings.
- **Face Unlock + Fingerprint ID:** Multiple biometric security options for convenient and secure access.
- **Customized Key:** Program the side key for quick access to frequently used apps or functions (e.g., PTT, flashlight, camera).
- **Headset-free FM Radio:** Enjoy FM radio without needing to plug in headphones.
- **NFC (Google Pay):** For contactless payments and data transfer.
- **Global Network Support:** Compatible with GSM, WCDMA, and LTE networks on most carriers (Note: Not compatible with AT&T, Cricket, or CDMA carriers like Straight Talk, U.S. Cellular, Boost, Sprint, and Verizon).

5.7 uSmart Expansion Connector

The Ulefone Armor 24 features a dedicated uSmart Expansion Connector, allowing you to attach specialized accessories like endoscopes and microscopes for enhanced functionality.

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Video 5.1: Demonstrates the uSmart Expansion Connector with various accessories, including endoscopes (uSmart E02, E03) and a microscope (uSmart C01). It also showcases the versatile LED light and reverse charging capabilities.

- **Endoscope (uSmart E02/E03):** Connect an endoscope to inspect hard-to-reach areas, such as pipes or machinery. The E03 model offers two-way 180° rotation.
- **Microscope (uSmart C01):** Attach a microscope to examine small objects with high magnification.
- **Usage:** Simply plug the uSmart accessory into the dedicated port. The phone's software will

automatically recognize and display the feed from the accessory.

6. MAINTENANCE

6.1 Durability and Protection

The Ulefone Armor 24 is built to withstand harsh conditions, certified with IP68, IP69K, and MIL-STD-810H ratings. This means it is:

- **Water Resistant:** Can be submerged in 1.5 meters of water for up to 30 minutes. Ensure all port seals are securely closed before exposure to water.
- **Dustproof:** Fully protected against dust ingress.
- **Drop-Proof:** Designed to withstand drops from up to 1.5 meters onto hard surfaces.
- **Extreme Temperature Tolerant:** Operates reliably in a wide range of temperatures.

While highly durable, avoid intentional abuse or unnecessary exposure to extreme conditions to prolong the device's lifespan.

6.2 Cleaning Your Device

- Use a soft, lint-free cloth to wipe the screen and body.
- For stubborn dirt, slightly dampen the cloth with water. Avoid harsh chemicals or abrasive materials.
- Ensure all ports are dry before charging or connecting accessories.

6.3 Battery Care

- Use only the provided charger and cable for optimal charging performance and battery health.
- Avoid exposing the phone to extreme heat or cold, as this can degrade battery performance.
- For long-term storage, charge the battery to around 50% and power off the device.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Ulefone Armor 24.

Problem	Possible Solution
Phone does not turn on.	Ensure the battery is charged. Connect the charger and wait a few minutes before attempting to power on. If unresponsive, try a forced restart by holding the Power button for an extended period (e.g., 10-15 seconds).
Slow charging.	Ensure you are using the original 66W power adapter and USB-C cable. Check that the USB-C port is clean and free of debris, and the protective seal is fully open during charging. Lower wattage chargers will result in slower charging.
Network connectivity issues.	Check if SIM cards are correctly inserted. Verify that mobile data is enabled in settings. Ensure your carrier is supported (Note: Not compatible with AT&T, Cricket, or CDMA carriers like Straight Talk, U.S. Cellular, Boost, Sprint, and Verizon). Try restarting the phone.
Touchscreen unresponsiveness.	Restart the device. If using a screen protector, ensure it is properly applied and not interfering with touch sensitivity. Check if Glove Mode is enabled if you are not wearing gloves, as this can sometimes affect sensitivity.

Problem	Possible Solution
Apps crashing or phone freezing.	Close background apps. Clear cache for problematic apps (Settings > Apps > [App Name] > Storage > Clear cache). Ensure sufficient storage space is available. Consider a factory reset as a last resort (backup your data first).
Poor camera quality.	Ensure camera lenses are clean. Check lighting conditions; optimal lighting is crucial for best results. Update camera app if available.
Haptics/Vibration weak.	This is a known characteristic of the device's vibration motor. There is no software adjustment to significantly increase the intensity.

8. SPECIFICATIONS

Feature	Detail
Brand	Ulefone
Model Name	Ulefone Armor 24
Operating System	Android 14
RAM	24 GB (expandable)
Memory Storage Capacity	256 GB (expandable up to 2TB via TF card)
Screen Size	6.78 Inches
Resolution	1920 x 1080 (FHD+)
Refresh Rate	120 Hz
CPU Speed	2.2 GHz (MediaTek Helio G96 8.2nm)
Battery Capacity	22000 Milliamp Hours
Fast Charging	66W
Reverse Charging	10W OTG
Rear Camera	64MP SONY Main Camera & 64MP Night Vision Camera
Front Camera	16MP
LED Light	1000LM Max Lumens
Durability Ratings	IP68/IP69K/MIL-STD-810H
Connectivity	Cellular (GSM, WCDMA, LTE), NFC, USB, Wi-Fi, Bluetooth, GPS (Beidou, GLONASS, Galileo)
SIM Card Support	Dual Nano SIM + 1 Micro SD/TF card slot
Weight	647 Grams (approx. 1.43 pounds)
Dimensions	11.26 x 6.18 x 3.03 inches (Package)

9. WARRANTY AND SUPPORT





All Ulefone unlocked phones purchased from an authorized retailer are guaranteed for **12 months** from the date of purchase.



If you encounter any problems during use or require technical assistance, please contact Ulefone customer support or your point of purchase. Provide your device model and purchase details for efficient service.

For the latest information, FAQs, and support resources, please visit the official Ulefone website.

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Related Documents - Ulefone Armor 24

	<p>Ulefone Armor Mini 20 Pro Series User Manual</p> <p>Comprehensive user manual for the Ulefone Armor Mini 20 Pro Series, covering setup, features, safety information, and troubleshooting.</p>
	<p>UleFone Armor Mini 20 Pro Series User Manual</p> <p>Comprehensive user manual for the UleFone Armor Mini 20 Pro Series, covering setup, features, safety information, and warranty conditions. Includes details on card management, messaging, photography, and device specifications.</p>
	<p>Ulefone Armor 3 User Manual: Features, Setup, and Safety Guide</p> <p>Comprehensive user manual for the Ulefone Armor 3 rugged smartphone. Learn about installation, device features, basic operations, and essential safety precautions.</p>
	<p>Ulefone Armor 25T Series User Manual: Comprehensive Guide to Setup, Features, and Safety</p> <p>Detailed user manual for the Ulefone Armor 25T Series smartphone. Covers device setup, card installation, network bands, basic operations, crucial safety information, and disclaimers.</p>

	<p>Ulefone Armor X8i Rugged Smartphone - Specifications and Features</p> <p>Detailed specifications and features of the Ulefone Armor X8i rugged smartphone, including its MediaTek processor, 3GB RAM, 32GB storage, 5.7-inch HD+ screen, 5080mAh battery, and IP68/IP69K rating.</p>
	<p>Ulefone Power Armor 19 User Manual - Rugged Smartphone Guide</p> <p>Official user manual for the Ulefone Power Armor 19 rugged smartphone. Learn about installation, features, network bands, safety precautions, FCC/CE compliance, and more.</p>

Documents - Ulefone – Ulefone Armor 24



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[pdf] Frequently Asked Questions Specifications

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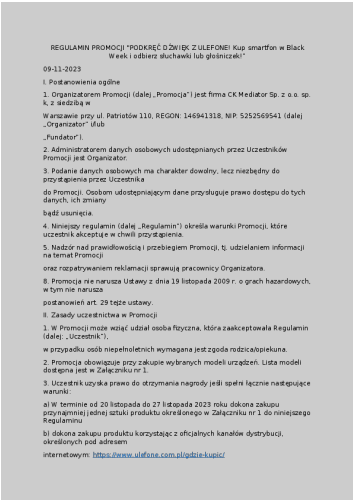
SpecSheet Ulefone Armor 17 Pro Armour 24 GoRugged MediaTek MT6781 architecture 2 x Arm Cortex

A55 Dual Sim 22 000mAh Battery IP68 Water Dust Resistant MIL STD 810G Mil Spec Micr o SD Up to

2TB specsheet ulefone armor gorugged co za pf 66bc71897764b |||

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[pdf] Specifications Dimension Guide Accessories

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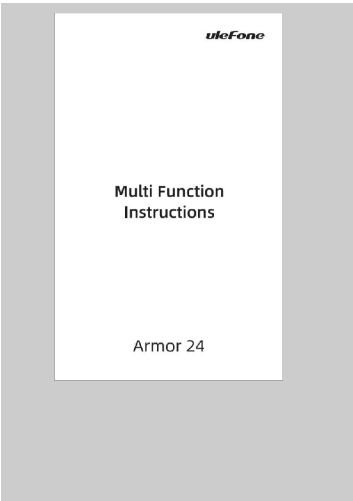
Mobileshop, s.r.o. https://www.mobileshop.eu Email: info@mobileshop.eu Phone:

421233329584 **Ulefone Armor 24** Dual SIM 256GB 12GB RAM Price: 275.00

https://www.mobileshop.eu/ulefone/mobile-phones/armor-24-dual-sim-256gb-12gb-

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[Ulefone Armor 24 Multi Function Instructions](#)

User guide for the Ulefone Armor 24 smartphone, detailing features like Underwater Camera, Wired Reverse Charging, Custom Key configuration, uSmart Expansion Connector, and RAM Expansion capabilities.

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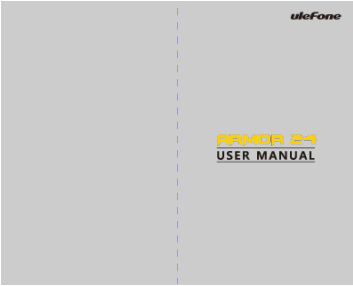
Informační list výrobku	
NÁŘÍZKŮ KOMISE V PŘENESENÉ PRAVOMOCI (EU) 2023/1669, pokud jde o užití specifické energie na energetických účelích chytrých telefonů a počítačů typu slate	
1. Ochranná známka	2. Identifikační značka modelu
Ulefone	Armor 24
3. Obecné parametry výrobku:	
Parametr	Hodnota
4. Typ zařízení	Chytrý telefon
5. Operační systém	Android
6. Třída energetické účinnosti	A
7. Baterie podporují rychlé uložení	Ne
8. Výdrž baterie na jeden náboj (mAh) (typ)	2200
9. Výdrž baterie v cyklech – výdrž nastavení (typ)	1 000
10. Zaručená kapacita baterie (E _{acc}) (mAh)	22 000
11. Ochráněno s ochranným systémem	Ne
12. Zaručila společnost pro vynechání vstupu proudu – pády bez zácpy (s)	200
13. Zaručila společnost pro vynechání vstupu proudu – pády bez zácpy, chování v případě narušení síly (s)	A/A
14. Třída spolehlivosti pro opakování volání	A
15. Stupeň ochrany krytím	IP68
16. Specifikovaná hloubka ponoreni do vody v případě (m)	2,00
17. Odolnost obrazovky vůči poškrábání na Mohavě stupni tvrdosti	4
18. Hlasitost – Použitelný výstupní výkon (W)	66
19. Hlasitost – Použitelný výstupní výkon (W) – Typ zácpy (na konci zařízení)	USB-C
Informace o správnosti:	
10. Minimální zaručená dostupnost bezpečnostních aktualizací, opravných aktualizací a aktualizací funkcí operačního systému (roky)	5
20. Třída správnosti (pro zajištění níže uvedené hodnoty)	B
21. Index opravitelnosti	3,56
21.A. Hodnocení rozšířené dostupnosti (s)	3,30
21.B. Hodnocení rychlosti aktualizací (s)	3,20
21.C. Hodnocení rychlosti aktualizací (s)	4,35
21.D. Hodnocení náhradních částí (s)	5
21.E. Hodnocení doby trvání aktualizací (s)	1

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Informační listUlefone Armor 24 12GB 256GB černý Mobilní telefon Alza czUlefone ENdwn alza cz Files infolist 7995958 Ulefone EN |||

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