

- Manuals.plus /
- > Ulefone /
 - > Ulefone Armor 28 Pro 5G AI Rugged Phone User Manual

Ulefone Armor 28 Pro

Ulefone Armor 28 Pro 5G AI Rugged Phone User Manual

Model: Armor 28 Pro | Brand: Ulefone

1. PRODUCT OVERVIEW

The Ulefone Armor 28 Pro 5G AI Rugged Phone is designed for durability and high performance, featuring advanced mobile technology. It is built to withstand challenging environments while providing a comprehensive smartphone experience.



Figure 1: Front and rear view of the Ulefone Armor 28 Pro 5G AI Rugged Phone, highlighting its robust design and dual screen.

Key Features:

- Global 5G Network Compatibility (Note: Not compatible with AT&T or Cricket).

- MediaTek Dimensity 7300 Processor with AI Engine.
- Up to 32GB RAM and 512GB ROM, expandable to 2TB.
- 6.67" AMOLED Main Display and 1.04" AMOLED Sub-Display.
- Advanced Camera System: 64MP Triple Main Camera (including 50MP main, 50MP ultrawide, 64MP night vision) and 50MP Front Camera.
- 10600mAh Battery with 120W Fast Charging and 50W Wireless Charging.
- Corning Gorilla Glass 5, MIL-STD 810G, IP68/IP69K Ruggedness.
- AI Toolbox for enhanced photo and system capabilities.
- Additional features: Wi-Fi 6E, IR Blaster, NFC, Fingerprint Unlock, Custom Key, uSmart Expansion Connector.

2. SETUP GUIDE

2.1 Package Contents

Verify that all items are present in the product packaging:

- Ulefone Armor 28 Pro 5G AI Rugged Phone
- 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 Inserting SIM Card and SD Card

Locate the SIM tray on the side of the device. Use the provided SIM tray ejector tool to open the tray. Insert your Nano-SIM cards and/or a microSD card (for up to 2TB expansion) into the designated slots. Ensure the cards are correctly oriented as indicated on the tray. Close the tray securely.

2.3 Initial Charging

Before first use, fully charge the device using the provided 120W fast charger and Type-C cable. Connect the charger to a power outlet and the Type-C cable to the phone's charging port. The device supports 120W wired fast charging and 50W wireless charging.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

- To power on: Press and hold the Power button until the Ulefone logo appears.
- To power off: Press and hold the Power button, then select "Power off" from the options.
- To restart: Press and hold the Power button, then select "Restart" from the options.

3.2 Main Display (6.67" AMOLED)

The 6.67-inch flexible AMOLED display offers a 120Hz ultra-high refresh rate for smooth visuals. It features 2200 nits

peak brightness, 10-bit color depth, and Always-On Display (AOD) functionality.

6.67" AMOLED Main Display

Indulge at First Sight

AMOLED

2200 nits
Peak Brightness

120Hz
Ultra High Refresh Rate

1080 x 2460
Resolution

395 PPI
Pixel Density

10-bit
Colour depth

DCI-P3
Wide Colour Gamut

5000000:1
Contrast Ratio

AOD
Always On Display

1.04" Rear Sub-Display

Customize Your Lavish Watch

CUSTOMIZE WATCH FACE

AMOLED
Backplane Technology

60Hz
Refresh Rate

500nits
Max Brightness

340 x 340
Resolution

Figure 2: Details of the 6.67" AMOLED Main Display, showcasing its high brightness and refresh rate.

3.3 Rear Sub-Display (1.04" AMOLED)

The 1.04-inch flexible AMOLED sub-display on the rear provides quick access to notifications, music controls, camera functions for selfies, and customizable watch faces. It also supports Always-On Display.

Your browser does not support the video tag.

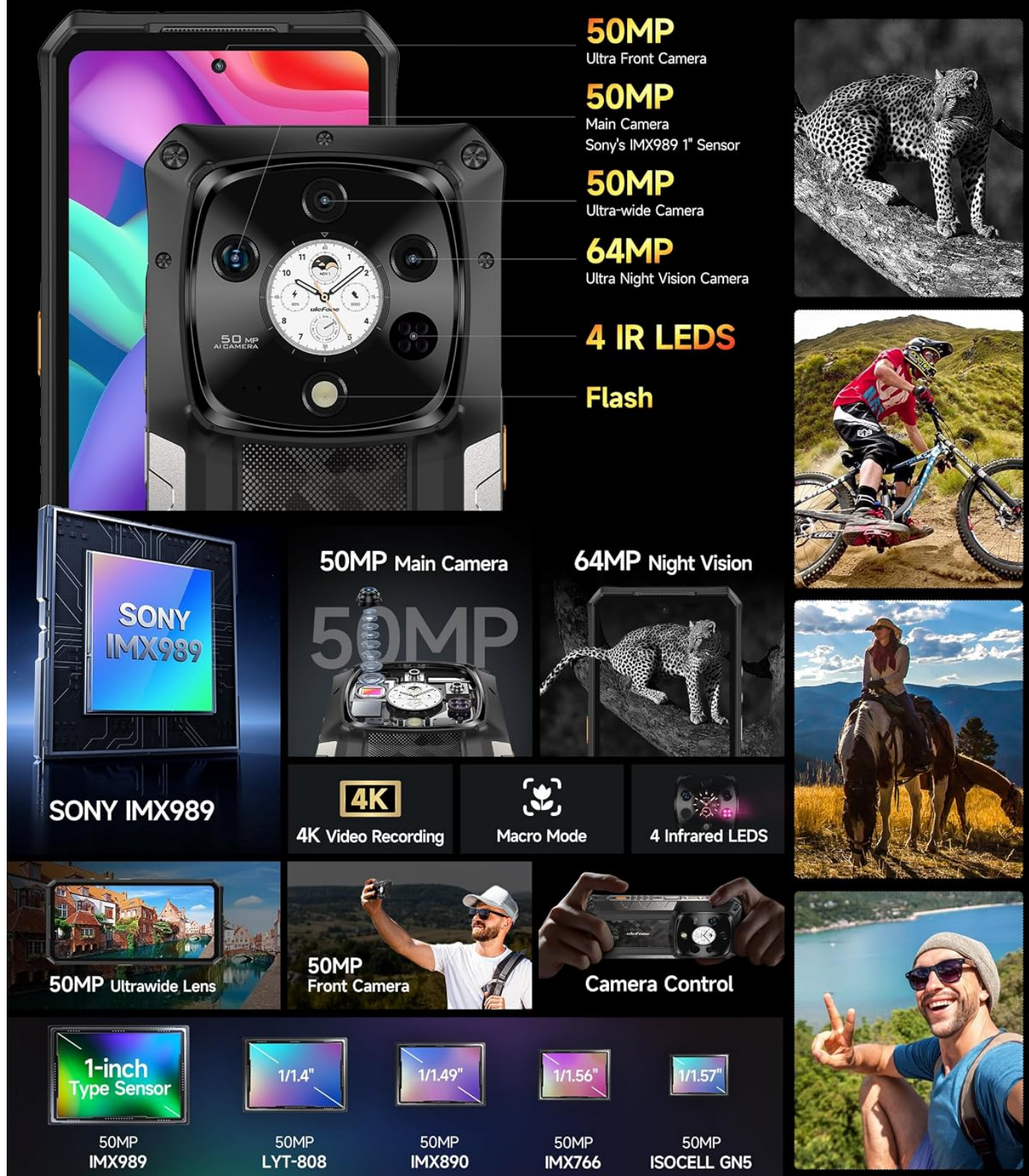
Video 1: Demonstration of the Ulefone Armor 28 Pro's 1.04-inch AMOLED Sub-Display, showing its interactive features and customization options.

3.4 Camera System

The device features a versatile camera setup:

- **50MP Main Camera:** Equipped with a 1-inch type Sony IMX989 sensor for high-resolution photography.
- **50MP Macro-enabled Ultra-wide Lens:** Samsung JN1 sensor with a 117° field of view.
- **64MP Night Vision Camera:** OMNIVISION OV64B sensor and NightElf Ultra 3.0 algorithm, enhanced with 4 infrared LEDs for clear low-light imaging.
- **50MP Front Camera:** For high-quality selfies and video calls.

Ultra-High Resolution Imaging System



50MP
Ultra Front Camera

50MP
Main Camera
Sony's IMX989 1" Sensor

50MP
Ultra-wide Camera

64MP
Ultra Night Vision Camera

4 IR LEDs

Flash

50MP Main Camera

64MP Night Vision

SONY IMX989

4K
4K Video Recording

Macro Mode

4 Infrared LEDs

50MP Ultrawide Lens

50MP Front Camera

Camera Control

1-inch Type Sensor
50MP IMX989

1/1.4"
50MP LYT-808

1/1.49"
50MP IMX890

1/1.56"
50MP IMX766

1/1.57"
50MP ISOCELL GN5

Figure 3: Overview of the Ulefone Armor 28 Pro's camera system, detailing the main, ultrawide, night vision, and front cameras.

3.5 Performance and Storage

Powered by the 4nm MediaTek Dimensity 7300+ processor, the Armor 28 Pro offers smooth performance for demanding applications. It comes with 512GB of internal storage (UFS 3.1) and up to 32GB of RAM (16GB physical + 16GB virtual), with support for 2TB microSD card expansion.



Figure 4: Illustration of the MediaTek Dimensity 7300 processor and the phone's memory and storage capabilities.

3.6 Battery and Charging

The 10600mAh battery provides extended usage times: up to 576 hours standby, 58 hours talk time, and 14 hours video playback. The device supports 120W wired fast charging, capable of charging 40% in 10 minutes, and 50W wireless charging. It also features wireless reverse charging.

10600mAh Mega Battery

Demanding Use for 2 Days



7.74V
High Voltage



Safe and Efficient
Long Charge Life



576 Hours
Standby Time



58 Hours
Call Time



14 Hours
Video Playback

10600mAh Large Battery

10600



Reverse Charging

Earbuds Watch Phone Others



50W Wireless Charging



120W



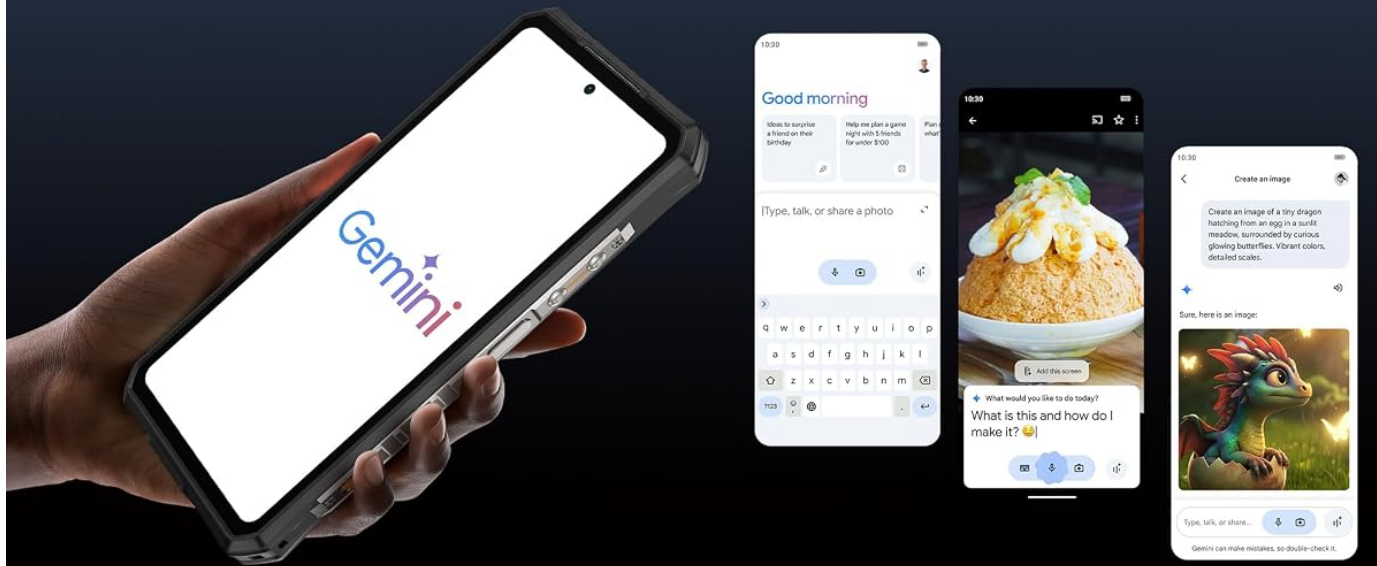
1.5 Hrs

Figure 5: Details on the 10600mAh battery capacity and the 120W fast charging and 50W wireless charging capabilities.

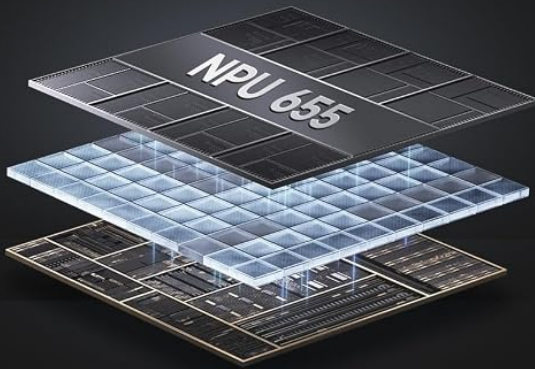
3.7 AI Toolbox and Applications

The Ulefone AI Toolbox includes functions such as AI removal, AI background, AI digital human, and AI photography, enhancing user experience and creativity. The device also supports AI applications like Google Gemini.

Third-Party AI Application Support



MediaTek NPU 655 Enhanced AI Performance



Graphene Cooling



Ulefone AI Toolkit On-Device AI, More Private



Figure 6: Visual representation of the AI Toolbox features and support for third-party AI applications.

3.8 Connectivity and Other Features

The Armor 28 Pro includes Wi-Fi 6E, Bluetooth, NFC for Google Pay, IR Blaster, Fingerprint Unlock, and a customizable physical key. It also features a uSmart Expansion Connector for compatible accessories and a 3.5mm headphone jack.

More Additional Functionalities



Figure 7: A collage illustrating various additional functionalities of the phone, including connectivity options and specialized tools.

4. MAINTENANCE AND DURABILITY

4.1 Ruggedness and Protection

The Ulefone Armor 28 Pro is built with Corning Gorilla Glass 5 for superior screen protection and meets MIL-STD 810G standards. It boasts IP68 and IP69K ratings, providing resistance against water, dust, dirt, sand, humidity, and salt mist. This design ensures durability in harsh conditions.



Figure 8: Visual demonstration of the phone's ruggedness, including water immersion, dust resistance, and drop resistance.

4.2 Cleaning and Care

To clean the device, use a soft, lint-free cloth. For stubborn dirt, a slightly damp cloth can be used. Avoid using harsh chemicals or abrasive materials. Ensure all ports are dry before charging, especially after exposure to water.

5. TROUBLESHOOTING

5.1 Network Connectivity Issues

- **No Signal:** Ensure your SIM card is properly inserted. Check if your carrier supports 5G in your area. Note that the phone is not compatible with AT&T or Cricket networks.
- **Wi-Fi Connection:** Verify Wi-Fi is enabled and you are connected to the correct network. Restart your router if necessary.

5.2 Device Not Responding

If the device becomes unresponsive, perform a forced restart by pressing and holding the Power button for approximately 10-15 seconds until the device reboots.

5.3 Charging Problems

- **Slow Charging:** Ensure you are using the original 120W charger and cable. Check for debris in the charging port.
- **Wireless Charging:** Ensure the phone is correctly placed on a compatible 50W wireless charging pad and there are no obstructions.

6. SPECIFICATIONS

Feature	Specification
Model Name	Armor 28 Pro
Product Dimensions	6.86 x 3.29 x 0.76 inches
Item Weight	15.9 ounces (450 Grams)
Operating System	Android 14 (Upgradable to Android 15)
CPU Speed	2.5 GHz (MediaTek Dimensity 7300+)
Screen Size	6.67 Inches (Main Display)
Resolution	4K (Main Display)
Refresh Rate	120 Hz (Main Display)
Memory Storage Capacity	512 GB (expandable to 2TB)
RAM Memory Installed Size	32 GB (16GB physical + 16GB virtual)
Battery Capacity	10600 Milliamp Hours
Main Camera	50MP Main Camera (Sony IMX989)
Night Vision Camera	64MP (OMNIVISION OV64B)
Ultrawide Lens	50MP (Samsung JN1)
Front Camera	50MP
Connectivity Technologies	Bluetooth, Infrared, Wi-Fi 6E, NFC, USB 2.0
Special Features	Rugged Body, Fast Charging Support, Dual SIM, Always On Display, Water Resistant
Waterproof Rating	IP68, IP69K
Durability Standard	MIL-STD 810G

7. WARRANTY AND SUPPORT

Ulefone provides a 12-month manufacturer warranty service in the US for the Armor 28 Pro. For any questions or support regarding the product, please contact Ulefone customer service. Contact information can typically be found on the official Ulefone website or through your purchase platform.

For further assistance, you may visit the official Ulefone Store:[Ulefone Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0DXJV8S97>

More documents and user manuals: <https://manuals.plus/>