Ulefone Armor X16 Pro

Ulefone Armor X16 Pro 5G Rugged Phone User Manual

Model: Armor X16 Pro

INTRODUCTION

This manual provides comprehensive instructions for the Ulefone Armor X16 Pro 5G Rugged Phone. It covers essential information regarding setup, operation, maintenance, troubleshooting, and detailed specifications to ensure optimal use of your device.

Figure 1: Front and back view of the Ulefone Armor X16 Pro 5G Rugged Phone, showcasing its robust design and camera module.

SETUP GUIDE

Package Contents

Verify that all items are present in the package:

- 1x Ulefone Armor X16 Pro 5G Phone
- 1x AC Power Charger (100~240V)
- 1x Type-C to Type-C Data cable (100cm)
- 1x Protective Film (Pre-installed)

- 1x Tempered Glass Screen Protector

- 1x SIM Tray Ejector

- 1x Lanyard

- 1x Multi-language User Manual

- 1x Thermal Imaging Camera User Manual (if applicable)

- 1x Multi Function Instruction Card

- 1x Charging Instruction Card

- 1x Safety Prompt Card

Package List:

1x Phone
1x AC Power Charger (100~240V Plug)
1x Data Cable (100cm)
1x Protective Film (Pre-installed)
1x Tempered Glass Screen Protector
1x SIM Pick
1x Lanyard
1x Multi-language User Manual
1x Thermal Imaging Camera User Manual
1x Multi Function Instruction Card
1x Charging Instruction Card
1x Safety Prompt Card

Figure 2: All items included in the Ulefone Armor X16 Pro 5G retail package.

Charging the Device

Before first use, fully charge your Ulefone Armor X16 Pro 5G. The device supports 33W fast charging for quick power replenishment.

- Connect the Type-C cable to the phone's charging port.

- Connect the other end of the cable to the provided AC power charger.

- Plug the charger into a wall outlet.

- The charging indicator will appear on the screen.

10360mAh Mega Battery Demanding Use for 2 Days

33W PD Fast Charging

555 Hours
Standby Time

56 Hours
Talk Time

42 Hours
Music Playback

13 Hours
Video Playback

10360 mAh

33W

Figure 3: The Ulefone Armor X16 Pro 5G connected to its 33W fast charger, highlighting its 10360mAh battery capacity.

SIM Card and Storage Installation

The Armor X16 Pro 5G features a 3-card slot, supporting dual SIM cards and a TF card for expanded storage 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 to open it.
3. Place your Nano-SIM cards and/or TF card into the designated slots on the tray. Ensure correct orientation.
4. Gently push the tray back into the device until it clicks into place.

Figure 4: Illustration of the dual 5G connectivity and the 3-card slot for SIM and storage expansion.

OPERATING INSTRUCTIONS

Powering 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.

System and Performance

The Ulefone Armor X16 Pro 5G runs on **Android 15**, powered by the **MediaTek Dimensity 6300 5G** chipset. It features 8GB of RAM (expandable up to 16GB virtual RAM) and 256GB of internal storage, ensuring smooth multitasking and efficient performance.

MediaTek Dimensity 6300 5G

Hyper Fast Multitasking and Gaming, smooth processing for all your tasks.
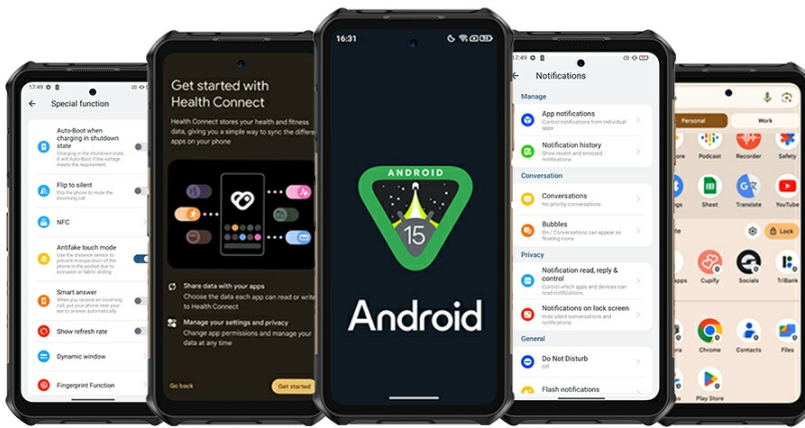
8-Core
CPU

2.4GHz
Clock Speed

6nm
Advanced Process

Cortex-A76
Powerful Gaming Cores

Figure 5: Visual representation of the MediaTek Dimensity 6300 5G processor, highlighting its 8-core CPU and 6nm advanced process for hyper-fast multitasking and gaming.

Latest Android 15 OS

In Android 15, you are going to experience enhanced privacy with Private Space, share your screen selectively, and multitask efficiently with app pairs.

Figure 6: Screenshots of the Android 15 operating system, showcasing its enhanced privacy features and multitasking capabilities.

Camera Features

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

- **64MP Main Camera:** Equipped with a Sony IMX682 sensor for stunning detail and clarity.
- **25MP Night Vision Camera:** Utilizes intelligent Ulefone NightEIF 2.0 to reveal details in extremely low-light conditions.
- **2MP Macro Camera:** For capturing intricate details of small objects.
- **16MP Front Camera:** Enhances selfies and provides clear video calls.
- **Underwater Mode:** Allows taking photos and videos while submerged.

Figure 7: An overview of the Ulefone Armor X16 Pro 5G's multi-camera setup, including the 64MP main, 25MP night vision, 2MP macro, and 16MP front cameras.
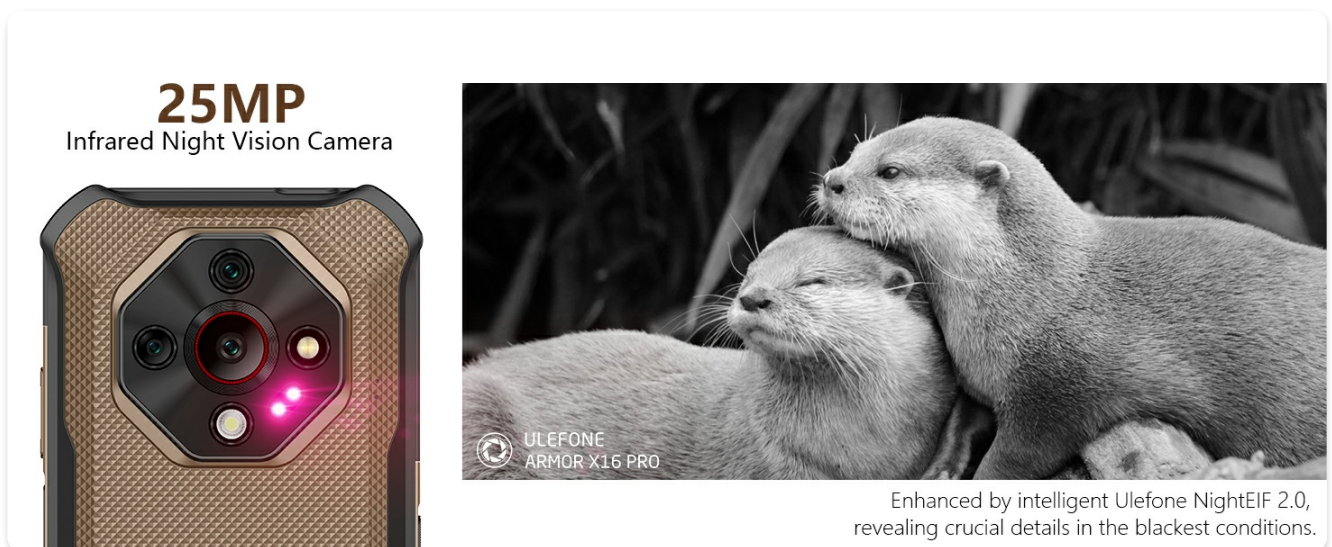

Figure 8: Example image taken with the 25MP Infrared Night Vision Camera, demonstrating its capability in dark conditions.

Display Features

The device features a 6.56-inch FHD+ display with a 720 x 1612 resolution and a 120Hz refresh rate for smooth visuals. With 910 nits brightness, it ensures visibility even under bright sunlight. The screen is protected by Corning Gorilla Glass 5 for enhanced durability.

Corning Gorilla Glass 5
4X Stronger than Glass 4

The Corning Gorilla Glass 5 on the Armor X16 Pro survives falls that would shatter standard glass, offering not only crystal clear views but also incredibly scratch resistance.

Figure 10: Close-up of the Corning Gorilla Glass 5 protecting the display, emphasizing its durability against drops and scratches.

Additional Features

- **133 Lumen Flashlight:** A dedicated glare flashlight for illumination in dark environments.
- **AI Recorder:** Automatically transcribes calls/meetings and generates instant summaries.
- **Widevine L1:** Access HD videos on streaming platforms like Netflix and Disney+.
- **IR Blaster:** Control compatible infrared devices.
- **Fingerprint Unlock & Face Unlock:** Secure and convenient access to your device.
- **NFC & Google Pay:** For contactless payments and data transfer.
- **Headset-Free FM Radio:** Enjoy radio without needing headphones as an antenna.
- **Custom Key:** A programmable button for quick access to preferred functions.
- **Outdoor Toolbox:** A suite of tools useful for outdoor activities.
- **GPS + GLONASS + Beidou + Galileo:** Multi-system navigation for accurate positioning.
- **Gloves Mode:** Allows touch screen operation while wearing gloves.

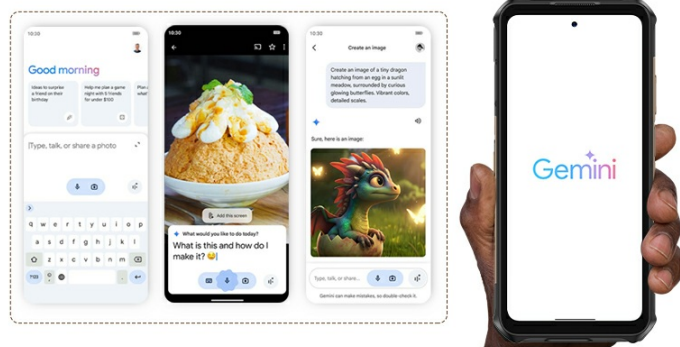## Built-in 133 Lumens Glare Flashlight

133 Lumens

Adjustable Brightness

One-Key Lighting

Figure 11: The built-in 133 lumens glare flashlight, demonstrating its adjustable brightness and one-key lighting feature.

Figure 12: The Ulefone Armor X16 Pro 5G featuring Google Gemini AI assistant and the AI Recorder for effortless call recording and transcription.

Figure 13: Features such as Face Unlock, Fingerprint ID, NFC for Google Pay, and multi-system GPS for accurate navigation.

Figure 14: Overview of additional features including Gloves Mode, Service Center access, Custom Key functionality, Digital Toolkit, Bluetooth 5.2, 3.5mm Headphone Jack, Headset-free FM Radio, and IR Blaster.

MAINTENANCE AND DURABILITY

The Ulefone Armor X16 Pro 5G is designed for extreme durability, featuring **IP68/IP69K** and **MIL-STD-810H** certifications.

- **Waterproof:** Can withstand submersion up to 2 meters deep for 30 minutes.
- **Shockproof:** Endures drops from up to 2 meters.
- **Dustproof:** Safeguards against dust, dirt, and sand ingress.

IP68/IP69K Defender

With MIL-STD-810H and IP68/IP69K ratings against shocks, drops, dust, and water, Armor X16 Pro still keeps a reliable connection even in the most hostile environments. It is a best companion for camping, hiking, and working on-site.
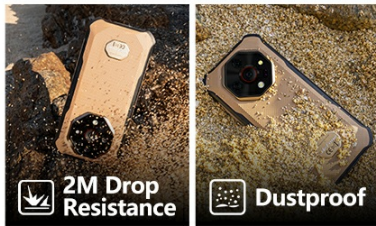
Figure 15: The Ulefone Armor X16 Pro 5G demonstrating its IP68/IP69K waterproof, shockproof, and dustproof capabilities, certified to MIL-STD-810H standards.

Cleaning and Care

- After exposure to water, especially saltwater, rinse the phone with fresh water and dry thoroughly before charging.
- Use a soft, lint-free cloth to clean the screen and body. Avoid abrasive materials or harsh chemicals.
- Ensure all port covers are securely closed to maintain water and dust resistance.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Ulefone Armor X16 Pro 5G.

Network Connectivity Issues

- **No Signal/Limited Service:** Ensure your SIM card is correctly inserted. Check if your carrier supports 5G in your area. Note that the device is **not compatible with AT&T or Cricket** networks.
- **Slow Data Speed:** Verify your mobile data is enabled. Check network settings and ensure you are in an area with good 5G coverage.

Battery and Charging Problems

- **Phone Not Charging:** Ensure the charging cable and adapter are securely connected and undamaged. Try a different outlet. Check the charging port for debris.
- **Battery Drains Quickly:** Close background applications. Reduce screen brightness. Disable unnecessary features like Wi-Fi, Bluetooth, or GPS when not in use.

Display and Touchscreen Issues

- **Screen Unresponsive:** Restart the device. If the issue persists, perform a factory reset (backup data first).
- **Screen Too Dim/Bright:** Adjust brightness settings in the quick settings panel or display settings.

Other Common Issues

- **Apps Crashing/Freezing:** Clear app cache and data. Update the app to the latest version. If the problem

continues, uninstall and reinstall the app.

- **Device Overheating:** Avoid prolonged heavy usage, especially while charging. Close resource-intensive applications.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	Armor X16 Pro
Operating System	Android 15
Processor	MediaTek Dimensity 6300 (2.4 GHz CPU Speed)
RAM	16 GB (8GB physical + up to 8GB virtual)
Internal Storage	256 GB
Expandable Storage	Up to 2TB via TF card
Display Size	6.56 Inches
Display Resolution	720 x 1612 (FHD+)
Refresh Rate	120 Hz
Peak Brightness	910 nits
Main Camera	64 MP (Sony IMX682 sensor)
Night Vision Camera	25 MP
Macro Camera	2 MP
Front Camera	16 MP

Battery Capacity	10360 mAh
Charging	33W Fast Charging
Network Connectivity	Dual 5G, GSM
Durability Ratings	IP68/IP69K, MIL-STD-810H
Dimensions	6.84 x 3.28 x 0.7 inches
Weight	14.1 ounces
Special Features	Dual SIM, Rugged Body, USB OTG, Versatile LED Light, Water Resistant, 133 Lumen Flashlight, AI Recorder, Widevine L1, IR Blaster, Fingerprint Unlock, NFC, Headset-Free FM Radio, Custom Key, Outdoor Toolbox, GPS + GLONASS + Beidou + Galileo, Gloves Mode

WARRANTY AND SUPPORT

Ulefone provides a **12-month manufacturer warranty service in the US** for the Armor X16 Pro 5G. For any questions or support regarding your product, please contact Ulefone customer service.

You can find more information and support on the official Ulefone website or through authorized service centers. Refer to the "Service Center" icon in the additional features section for guidance.

Your browser does not support the video tag.

Video 1: Ulefone Armor X16 Pro 5G Rugged Phone Overview. This video provides a visual summary of the phone's key features and durability.

Related Documents - Armor X16 Pro

	Ulefone Armor Mini 20 Pro Series User Manual Comprehensive user manual for the Ulefone Armor Mini 20 Pro Series, covering setup, features, safety information, and troubleshooting.
	Ulefone Armor 3 User Manual: Features, Setup, and Safety Guide Comprehensive user manual for the Ulefone Armor 3 rugged smartphone. Learn about installation, device features, basic operations, and essential safety precautions.
	Ulefone Armor X8i Rugged Smartphone - Specifications and Features 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.
	Ulefone Armor 21 User Manual User manual for the Ulefone Armor 21 rugged smartphone, detailing features, setup, safety information, and usage instructions. Includes information on card installation, hardware components, charging, basic operations, and safety guidelines.
	Ulefone Power Armor 19 User Manual: Features, Safety, and Operation Comprehensive user manual for the Ulefone Power Armor 19 rugged smartphone. Learn about setup, features, safety precautions, and troubleshooting. Includes detailed diagrams and specifications.
	Ulefone Power Armor 19 User Manual - Rugged Smartphone Guide Official user manual for the Ulefone Power Armor 19 rugged smartphone. Learn about installation, features, network bands, safety precautions, FCC/CE compliance, and more.