

Ulefone Ulefone Armor 27T Pro

Ulefone Armor 27T Pro 5G Rugged Phone User Manual

Model: Ulefone Armor 27T Pro

1. INTRODUCTION

The Ulefone Armor 27T Pro is a robust 5G rugged smartphone designed for demanding environments, featuring advanced thermal imaging, a high-resolution camera system, and a durable build. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and longevity.



Figure 1: Front and back view of the Ulefone Armor 27T Pro 5G Rugged Phone, highlighting its robust design and camera module.

2. SETUP

2.1. Package Contents

Verify that all items are present in the package:

- Ulefone Armor 27T Pro 5G Rugged Phone
- AC power charger (33W)

- Type-C to Type-C Data cable (100cm)
- Screen Protector
- SIM Tray Ejector
- Lanyard

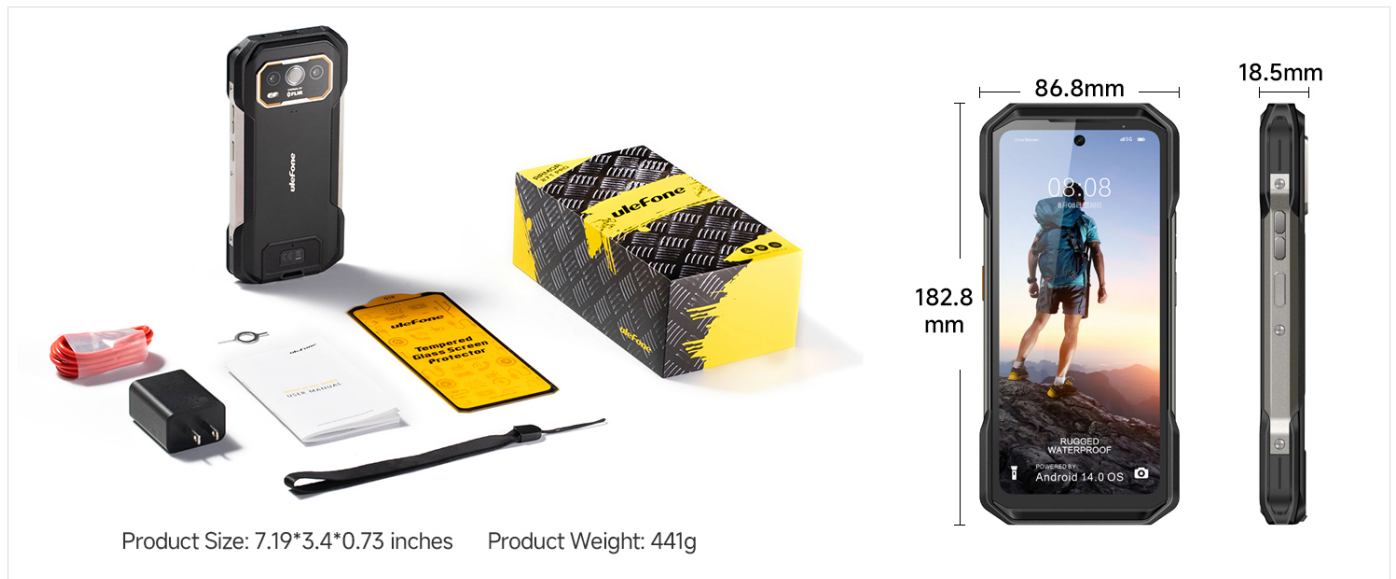


Figure 2: Illustration of the Ulefone Armor 27T Pro's package contents and physical dimensions.

2.2. SIM and SD Card Installation

To install your SIM cards and an optional microSD card:

1. Locate the SIM tray on the side of the phone.
2. Insert the SIM tray ejector tool into the small hole next to the tray and press firmly until the tray pops out.
3. Place your Nano-SIM cards and/or microSD card into the designated slots on the tray. Ensure the gold contacts face downwards.
4. Carefully reinsert the tray into the phone until it clicks into place.

2.3. Initial Power On and Charging

Press and hold the Power button until the Ulefone logo appears. Follow the on-screen instructions to complete the initial setup. For optimal battery life, fully charge the device before first use using the provided 33W AC power charger and Type-C cable.

3. OPERATING INSTRUCTIONS

3.1. Display and User Interface

The Ulefone Armor 27T Pro features a 6.78-inch FHD+ display with a 120Hz refresh rate, providing a smooth visual experience. The display is protected by Corning Gorilla Glass Victus, offering enhanced scratch and drop resistance.

6.78" FHD+ 120Hz Display

Boundless Entertainment



2.4K
6.78-inch FHD+ Display

1080x2460
Resolution



85%
Screen-to-Body Ratio

120Hz Smart
Dynamic Refresh rate
60/90/120Hz



680nits
Max Brightness

16.7 Million Colors



Figure 3: Details of the 6.78-inch FHD+ 120Hz display, emphasizing its visual quality and responsiveness.

Corning Gorilla Glass Victus



4x 4X Higher scratch threshold | **2m** Up to 2m drop resistance

Figure 4: Illustration of the Corning Gorilla Glass Victus protection, highlighting its durability against scratches and drops.

3.2. Camera System

The device is equipped with a versatile camera system:

- **Thermal Imaging Camera:** Built-in FLIR Lepton thermal micro-camera for detecting infrared light and heat. Features MSX and VividIR image processing.
- **64MP Night Vision Camera:** OMNIVISION'S OV64B sensor with two infrared LEDs and Ulefone NightElf Ultra 3.0 algorithm for clear images in low-light conditions.
- **50MP Main Camera:** Samsung ISOCELL GN1 sensor with 1/1.31" ultra-large size and F/1.65 aperture for high-quality photos.
- **32MP Selfie Camera:** Samsung GD1 Sensor with 5P lens and 80.4° field of view for clear self-portraits.

50MP Rear Camera & 64MP Night Vision

32MP Front Camera

32MP

Front Camera

50MP

Main Camera

64MP

Night Vision Camera



1/1.31" Mega Sensor
Main Rear Camera



NightElf Ultra 3.0
Algorithm Night Vision



360° Panorama Mode



Underwater Camera



Figure 5: Overview of the Ulefone Armor 27T Pro's camera system, detailing the 50MP main, 64MP night vision, and 32MP front cameras.

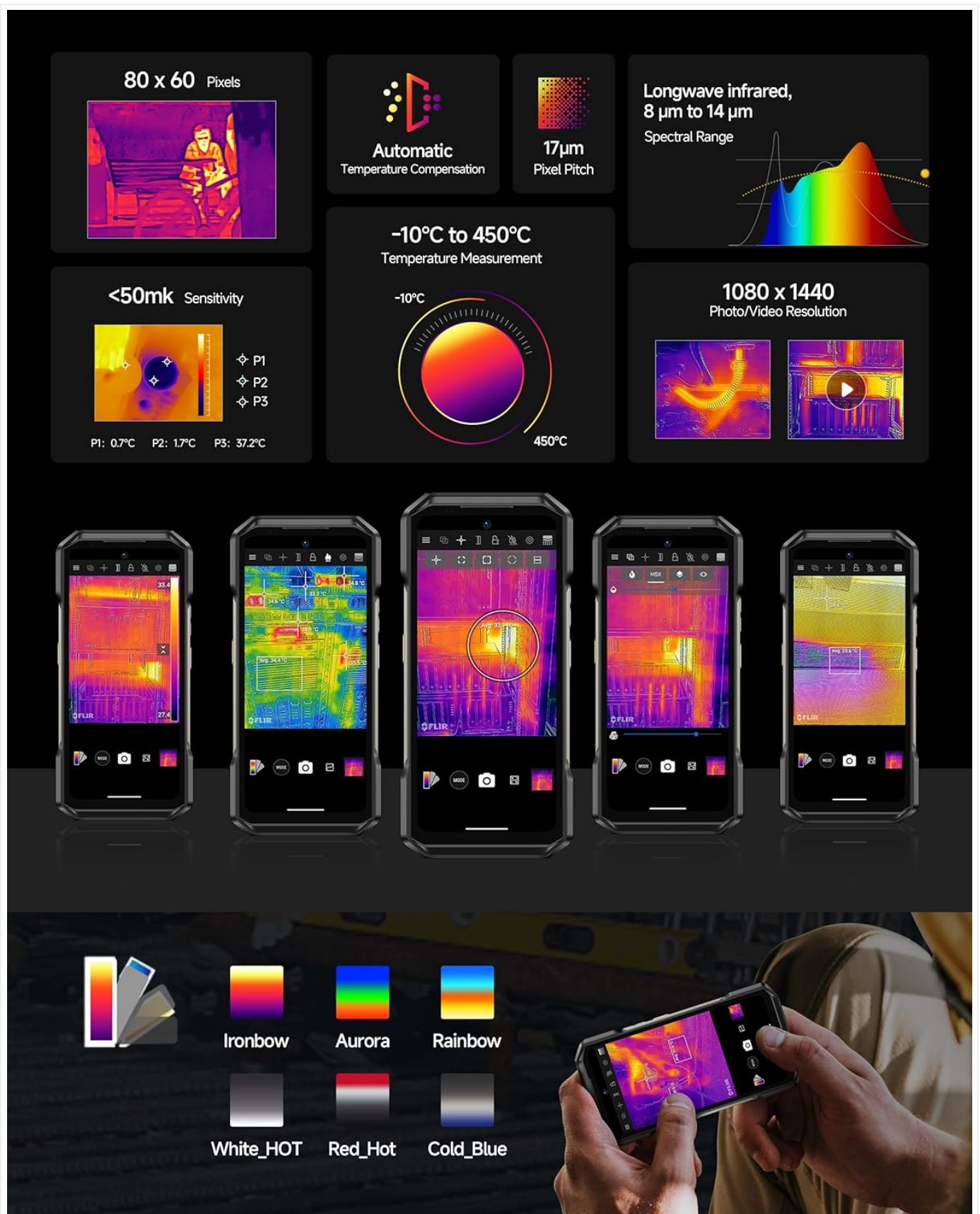


Figure 6: Detailed view of the thermal imaging capabilities, including pixel resolution, temperature measurement range, and spectral range.



Figure 7: Demonstration of the 64MP Night Vision Camera capturing an image in low-light conditions.

3.3. Battery and Charging

The Armor 27T Pro is equipped with a 10600mAh battery, supporting extended usage. It features:

- **33W Flash Charge:** Rapid wired charging for quick power replenishment.
- **30W Wireless Charging:** Convenient wireless charging capability.
- **Wireless Reverse Charging:** Allows the phone to charge other compatible devices wirelessly.



Figure 8: Visual representation of the 10600mAh battery capacity and various charging methods, including 33W fast charging, 30W wireless charging, and wireless reverse charging.

3.4. Performance

Powered by the MediaTek Dimensity 6300 5G processor, the phone offers robust performance. It includes 12GB of physical RAM, expandable up to an additional 12GB of virtual RAM, and 256GB of internal storage, expandable up to 2TB via TF card.

MediaTek Dimensity 6300 5G

8-Core CPU, 6nm Sco, up to 2.4GHz



Figure 9: Diagram illustrating the MediaTek Dimensity 6300 5G processor and memory configurations (RAM, virtual RAM, ROM, and expansion).

3.5. Ruggedness and Durability

The Armor 27T Pro is built to withstand harsh conditions, certified with IP68/IP69K and MIL-STD-810H standards. This ensures protection against water, dust, and accidental drops, and reliable operation in extreme temperatures (-30°C to 55°C).

IP68/IP69K, MIL-STD-810H

Waterproof, Drop-proof, Dust-proof

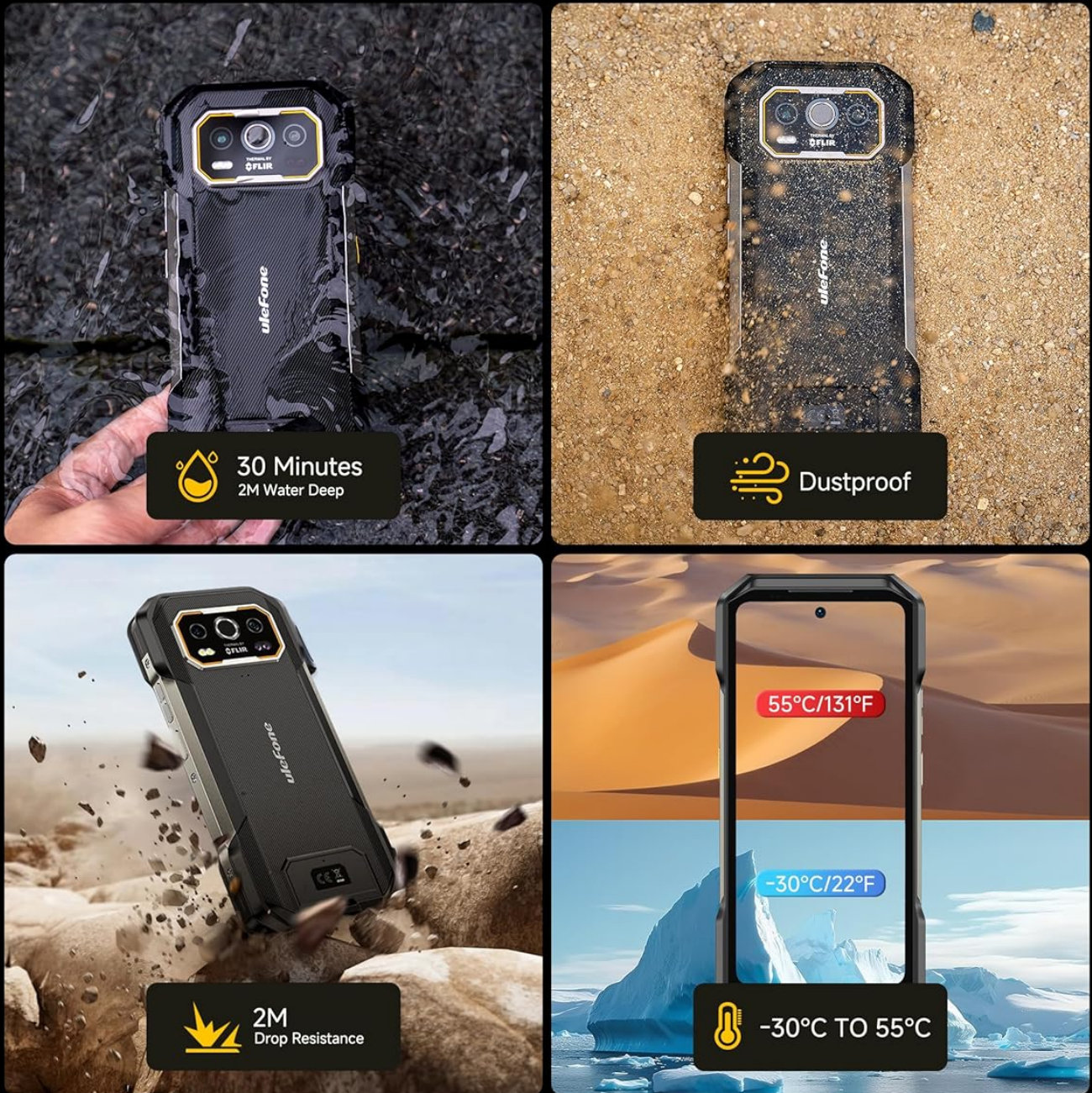


Figure 10: Visual representation of the phone's IP68/IP69K and MIL-STD-810H certifications, demonstrating its water, dust, and drop resistance, as well as temperature tolerance.

3.6. Connectivity and Features

The phone supports global 5G networks with dual SIM dual standby. Other features include:

- **NFC:** For contactless payments and data transfer.
- **Custom Key:** Programmable button for quick access to functions.

- **Fingerprint Unlock & Face Unlock:** Biometric security options.
- **GPS + GLONASS + Beidou + Galileo:** Comprehensive navigation support.
- **IR Blaster:** Allows the phone to act as a universal remote control.
- **Headset-Free FM Radio:** Listen to FM radio without needing headphones as an antenna.
- **uSmart 2.0 Expansion Connector:** For connecting professional accessories like endoscopes or microscopes (sold separately).

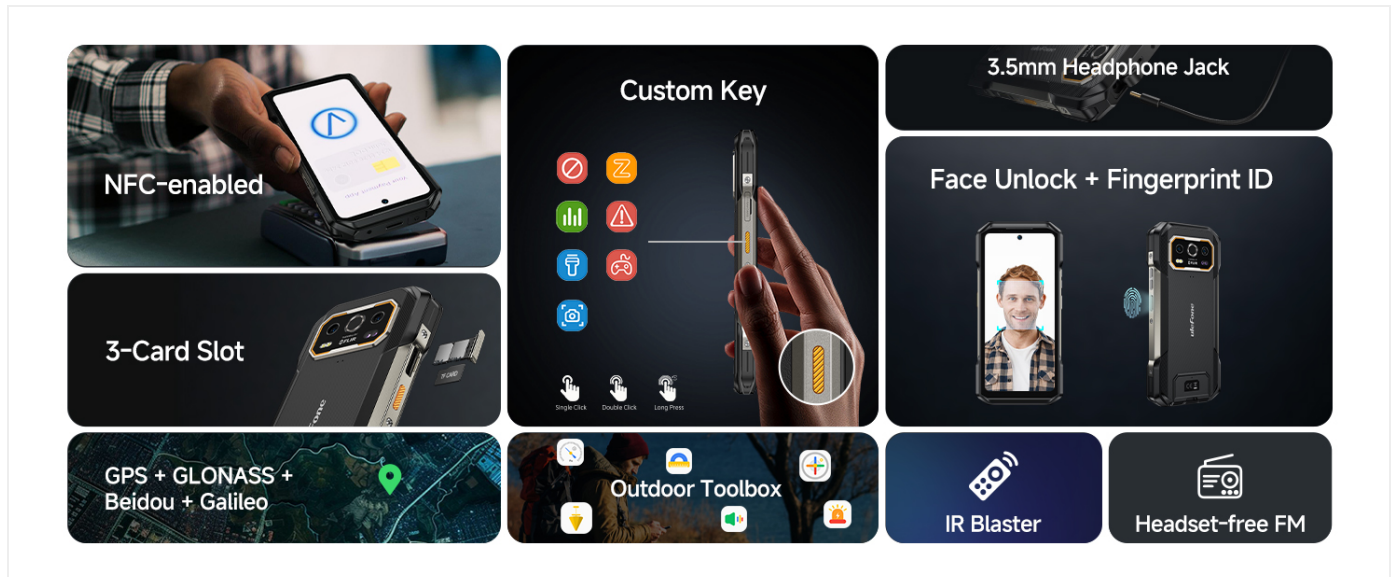


Figure 11: Display of various additional features including NFC, custom key, fingerprint unlock, GPS, IR Blaster, and headset-free FM radio.

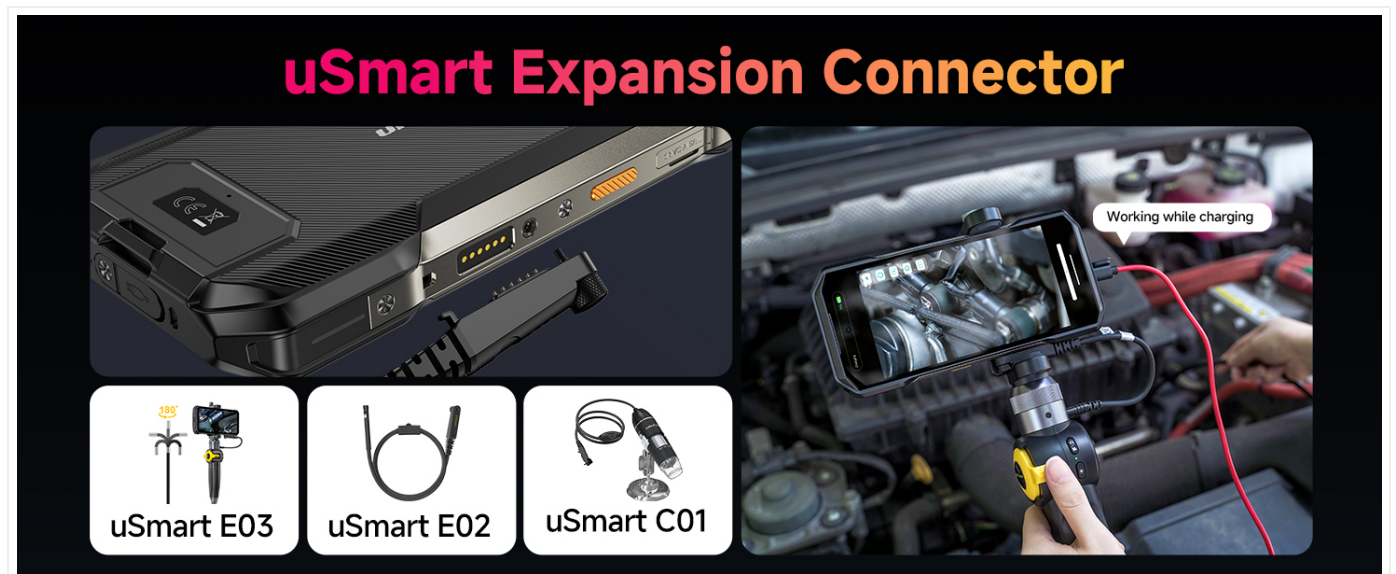


Figure 12: Illustration of the uSmart Expansion Connector and examples of compatible professional accessories like endoscopes.

3.7. Operating System

The Ulefone Armor 27T Pro runs on Android 14, offering an updated and personalized user experience with enhanced security and accessibility features.

The Latest Android 14 OS

More Personalized, Protected and Accessible

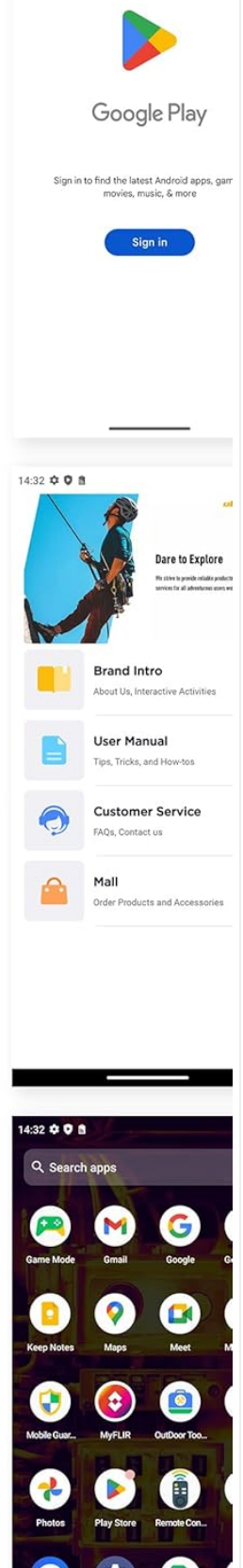
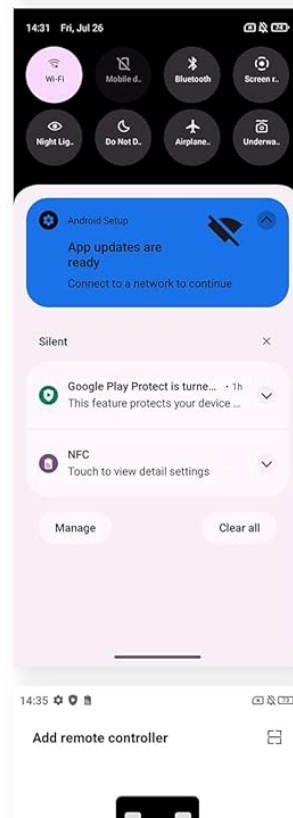
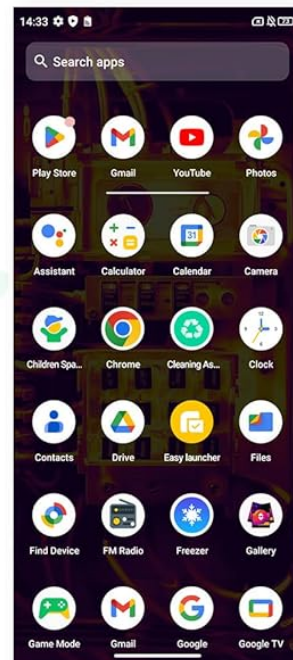
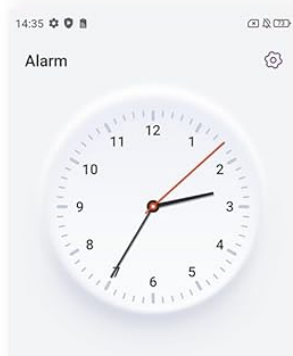
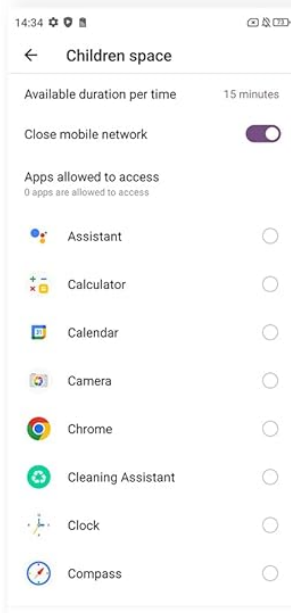
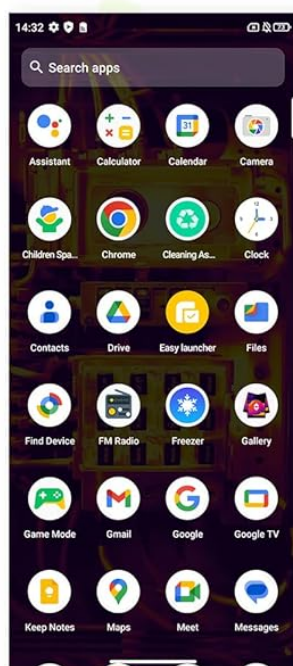


Figure 13: Screenshots of the Android 14 operating system interface on the Ulefone Armor 27T Pro, showing various app icons and settings menus.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Ulefone Armor 27T Pro, follow these maintenance guidelines:

- **Cleaning:** Wipe the phone with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials. For the

screen, use a microfiber cloth.

- **Water Exposure:** While waterproof, ensure all ports and covers are securely closed before exposing the phone to water. After water exposure, dry the phone thoroughly, especially the charging port, before charging.
- **Temperature:** Avoid prolonged exposure to extreme temperatures outside the operating range (-30°C to 55°C).
- **Storage:** Store the device in a cool, dry place when not in use for extended periods.
- **Software Updates:** Regularly check for and install system updates to ensure the latest features, security patches, and performance improvements.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Ulefone Armor 27T Pro.

Problem	Possible Cause	Solution
Phone does not power on	Low battery; System crash	Charge the phone for at least 30 minutes. Press and hold the Power button for 10-15 seconds to force restart.
Poor network signal	Out of network coverage; SIM card issue	Move to an area with better signal. Reinsert the SIM card. Contact your network provider.
Battery drains quickly	Too many background apps; High screen brightness; Network search	Close unused apps. Reduce screen brightness. Disable Wi-Fi/Bluetooth when not in use. Check battery usage in settings.
Thermal camera not working	Software glitch; Obstructed lens	Restart the camera app or the phone. Ensure the thermal lens is clean and unobstructed.
Touchscreen unresponsive	Temporary software issue; Screen protector interference	Restart the phone. Ensure the screen protector is correctly applied and not interfering.

6. SPECIFICATIONS

Detailed technical specifications for the Ulefone Armor 27T Pro:

Feature	Specification
Model	Ulefone Armor 27T Pro
Operating System	Android 14
Processor	MediaTek Dimensity 6300 5G (2.4 GHz 8-core CPU)
RAM	24 GB (12GB physical + 12GB virtual)
Internal Storage	256 GB (expandable up to 2TB via TF card)
Display	6.78 inches FHD+ (2460x1080), 120Hz Refresh Rate, Corning Gorilla Glass Victus
Main Camera	50MP Samsung ISOCELL GN1
Night Vision Camera	64MP OMNIVISION OV64B

Feature	Specification
Front Camera	32MP Samsung GD1 Sensor
Thermal Camera	FLIR Lepton (80x60 pixels)
Battery Capacity	10600 mAh
Charging	33W Wired Fast Charge, 30W Wireless Charging, Wireless Reverse Charging
Durability	IP68/IP69K, MIL-STD-810H
Dimensions	7.19 x 3.4 x 0.73 inches (182.8 x 86.8 x 18.5 mm)
Weight	15.6 ounces (441 grams)
Connectivity	5G, Wi-Fi 6, Bluetooth, NFC, GPS (GPS+GLONASS+Beidou+Galileo)
Ports	USB Type-C, 3.5mm Audio Jack, uSmart 2.0 Expansion Connector

7. WARRANTY AND SUPPORT

Ulefone provides a 12-month manufacturer warranty service in the US for the Armor 27T Pro. For any questions or support needs regarding your product, please contact Ulefone customer service. You can find more information and contact details on the official Ulefone website or through the 'Ulefone Exclusive Service Center' application on your device.

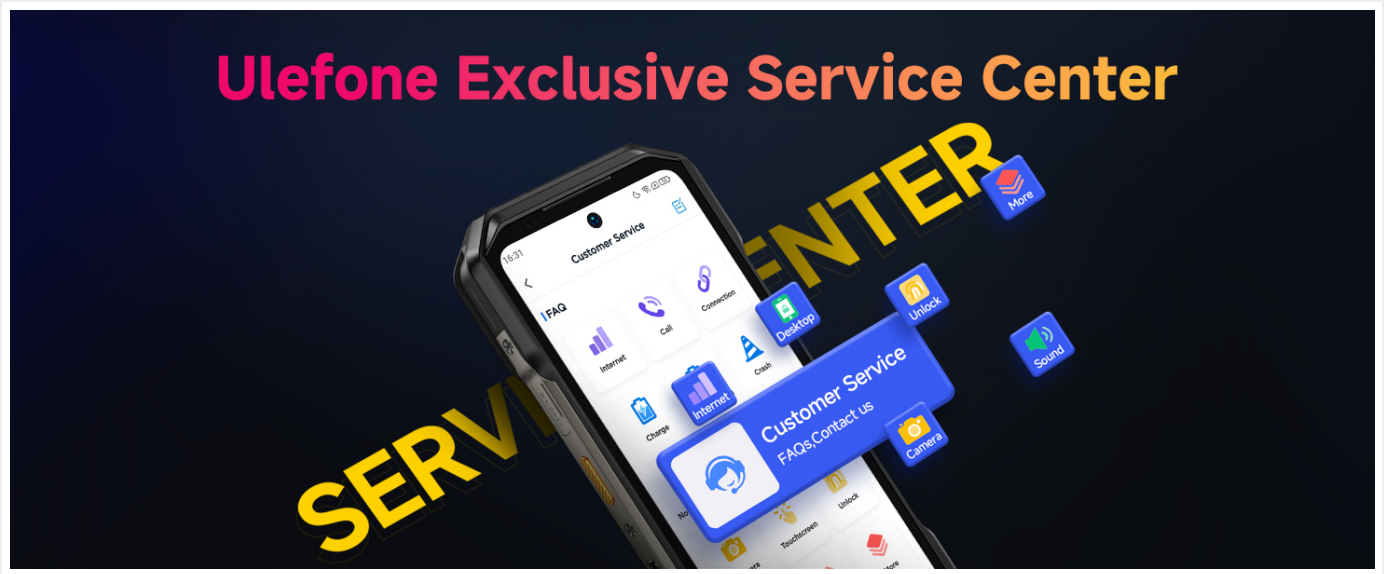


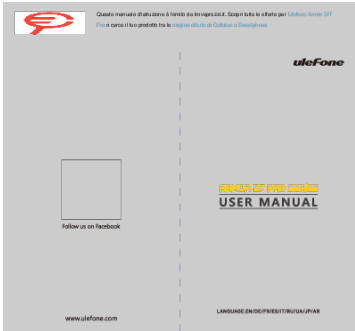


Figure 14: Screenshot of the Ulefone Exclusive Service Center application, showing options for customer service and support.



	<p>Ulefone Armor X32 Pro 5G Smartphone Technical Specifications</p> <p>Detailed technical specifications for the Ulefone Armor X32 Pro 5G smartphone, including network capabilities, display details, performance specs, camera features, battery life, and connectivity options. Features a Mediatek Dimensity 6300 chipset, 256GB storage, 8GB RAM, and a 5500 mAh battery.</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 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 Note 16 Pro User Manual</p> <p>Comprehensive user manual for the Ulefone Note 16 Pro smartphone. Learn about setup, features, operations, specifications, and safety guidelines for your Ulefone Note 16 Pro device.</p>

Documents - Ulefone – Ulefone Armor 27T Pro



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GQ5008 ARMORR 27T Pro cdr Administrator Feb 16 2025 — Questo manuale d istruzione è fornito da trovaprezzi.it Scopri tutte le offerte per Ulefone Armor · o cerca il tuo prodotto tra migliori ulefone armor 27t pro manuali |||

Questo manuale d istruzione fornito da trovaprezzi.it. Scopri tutte le offerte per Ulefone Armor 27T Pro o cerca il tuo prodotto tra le migliori offerte di Cellulari e Smartphone ...

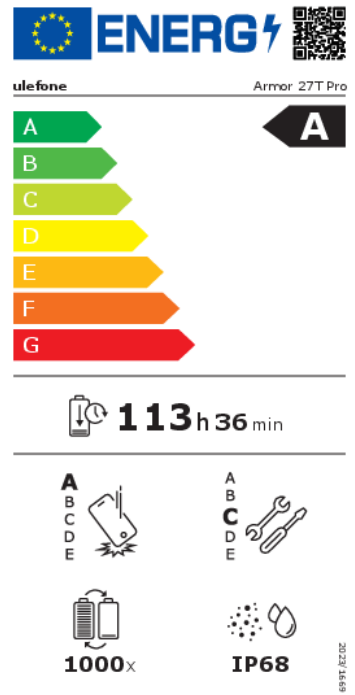
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[pdf] Specifications

SpecSheet Ulefone Armor 17 Pro 27T GoRugged The is a rugged smartphone with 6.78 inch 120Hz display and an integrated ThermoVue thermal imaging camera specsheet ulefone armor 27t pro srsltid AfmBOopwmGsOXs0CkPyWYzkjkmR5C0S9R5HHNNAXAYmSis3JSbZCkOH3 gorugged co za pf 673b1235c4deb |||

Ulefone Armor 27T Pro The Ulefone Armor 27T Pro is a rugged smartphone with a 6.78-inch, 120Hz display, and an integrated ThermoVue thermal imaging camera. It includes a 50MP main camera, a 64MP night vision camera, and a 32MP front camera. Powered by the MediaTek Dimensity 6300 processor, it has 6... lang:en score:52 filesize: 282.47 K page_count: 2 document date: 2024-11-18



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Ficha de información del producto	
REGULAMENTO DELL'UNIONE (UE) 2019/1780 DELLA COMMISSIONE relativo al etichettatura energetica dei telefoni intelligenti e loro batterie pila	
1. Marca comercial	2. Identificador del modelo
Ulefone	Armor 27T Pro
3. Parámetros generales del producto:	
Parámetro	Valor
4. Tipo de dispositivo	Telefono inteligente
5. Sistema operativo	Android
6. Clase de eficiencia energética	A
7. Batería sustitible por el usuario	No
8. Autonomía de la batería por ciclo (EN15701, en Wh)	3,13
9. Autonomía de la batería en ciclo - configuración por defecto (en Wh)	3,000
10. Capacidad de batería asignada (C _{nom} en mAh)	10 600
11. Suministrado con funda protectora	No
12. Ensayo de fiabilidad en caída libre repetida - caídas sin detección	300
13. Ensayo de fiabilidad en caída libre repetida - caídas sin detección, ensayo realizado en estado totalmente extendido (en)	No aplicable
14. Clase de fiabilidad en caída libre repetida	A
15. Índice de protección contra la penetración (IP68)	
16. Profundidad especificada de inmersión en agua, en caso de IP68 (en)	2,00
17. Resistencia al rayado de la pantalla en la escala de dureza de Mohs	4
18. Carga	Potencia de salida necesaria (W)
del	Tipo de conector (con el extremo del dispositivo)
	USB-C
Información sobre reparabilidad:	
19. Disponibilidad mínima garantizada de actualizaciones de seguridad, actualizaciones correctoras y actualizaciones de funcionalidad del sistema operativo (en años)	5
20. Clase de reparabilidad (según la base del índice que figura a continuación)	C
21. Índice de reparabilidad	3,20
22a. Puntuación en profundidad de desmontaje (D _{ad})	3,05
22b. Puntuación del tipo de elementos de fijación (D _f)	3,30

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[Ulefone Armor 27T Pro - Ficha de Información del Producto](#)

Información detallada sobre el Ulefone Armor 27T Pro, incluyendo especificaciones técnicas, eficiencia energética, durabilidad de la batería, resistencia y detalles de reparabilidad.

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Xixiang Street Baian District, Shenzhen 518126 P.R. China	

[\[pdf\] Test Report](#)

Randy He Test Report 12 Shenzhen Gotron Electronic CO LTD 5008 Mobile Phone 2AOWK 2AOWK5008

Report No.: S24060401206006 FCC CFR47 PART 22H, 24E, 27 CERTIFICATION TEST REPORT FCC ID: 2AOWK-5008 Product: Mobile Phone Trade Mark: ulefone Model No.: GQ5008 Family Model: Armor 27T Pro, Armor 27 Pro, Armor 27 Ultra, Armor 27T Ultra, Armor 27 Lite, Armor 27s, Armor 27s Pro Report No.: S2406040120...

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