



# Enduro.WP50 rugged smartphone

*Connectivity under Critical Infrastructures*

**WP50 is a rugged 5G smart phone purpose-built for mission-critical operations in demanding environments. Designed for field engineers, utility crews, and emergency responders, it ensures reliable voice, data, and location connectivity in the harshest conditions.** With military-grade toughness, global cellular coverage, hot-swappable battery, and extended runtime, the Enduro.WP50 is the field tool you can count on.

In today's connected infrastructure, field devices must deliver more than communication. They must survive impact, resist water and dust, locate assets precisely, and stay on line when others fail. The mobile does it all combining durability, connectivity, and intelligence in a single compact platform.

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**Built to Withstand, Ready to Respond, Always Connected**

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## Rugged Design Smart Connectivity

The Enduro.WP50 supports dual-SIM 5G with fallback to 4G/3G/2G, enabling seamless service even in remote areas. Real-time navigation is powered by a 4-system GNSS receiver (GPS, Glonass, Beidou, Galileo), while extra charging battery capability extend runtime without downtime.

Durability is guaranteed with IP68/IP69K ingress protection, MIL-STD-810H certification, and Corning Gorilla Glass display. Enduro.WP50 handles shocks, dust, immersion, and extreme temperatures, ideal for substations, towers, or disaster zones.

## Power, Clarity, and Control

Powered by a high-efficiency octa-core processor and 12GB RAM, the device runs Android and delivers responsive operation under pressure. Field data is captured in high resolution with the 48MP rear camera, supported by HDR, panorama, and macro modes. Whether documenting faults or reporting conditions, images remain sharp and shareable.

A vivid 6.6" HD+ display ensures clear visibility under sunlight, while biometric security, NFC for Google Pay, and built-in tools (torch, FM radio, compass) simplify daily tasks.

## Designed for Field Professionals

From energy utilities to public safety, the mobile phone adapts to your operational flow. It's not just a phone, it's a communications and data tool, engineered for reliability where it matters most.

**ALBEDO**

# Key features

Enduro.WP50 is more than a rugged phone, it's an operational tool built for the field. With advanced connectivity, intelligent power management, and field-optimized design, it empowers teams working in complex environments to communicate, capture, and coordinate without compromise.

## Keep Connected

The mobile ensures reliable voice and data communication with full 5G/4G/3G/2G support and dual-SIM slots, allowing uninterrupted operation in national and cross-border deployments. It is compatible with a wide range of global bands to ensure coverage even in rural or isolated utility sites.

- Dual SIM with fallback networks
- Global 5G coverage (NSA + SA)
- Certified waterproof USB-C interface
- Bluetooth 5.2, NFC, Wi-Fi hotspot

## 10 reasons why WP50 beats consumer phones

### Autonomy without Downtime

Field operations device uninterrupted service. It is equipped with a 6500mAh battery designed for extended daily use with reverse power capabilities. A dedicated battery ensures continuous uptime during mission-critical tasks.

- Up to 44 hours talk time
- 18W USB-C fast charging
- OTG power to charge other tools
- Hot-swap battery (optional accessory)

### Clear Display Indoors / Outdoors

Whether under direct sunlight or in poor lighting, the 6.6" HD+ Gorilla Glass screen delivers sharp, responsive visuals. The camera system transforms inspections, site reports, and incident documentation into clear records.

- 6.6" Gorilla Glass display, 720×1612
- Bright 440 nits screen for daylight use
- 48MP rear, macro, 8MP front camera
- HDR, Portrait, AI, Panorama, Depth
- 1080p video at 60 fps



### Ready for Harsh Conditions

Certified to IP68/IP69K and MIL-STD-810H standards, it survives immersion, drops, shocks, dust, humidity, and extreme temperatures. Its ruggedized frame and compact design support one-handed operation in the field, even with gloves.

- Waterproof, Dustproof, Shockproof
- Operating in hot, cold, wet, dusty sites
- Military-grade standards
- Drop-safe design for vehicles, scaffolding, or workstations
- Identity, Access, Protection

Security features ensure only authorized personnel can access the device and its data. Enduro.WP50 supports both biometric recognition and encrypted Android 14 security frameworks, critical for devices in shared, sensitive, or mobile team.

- Fingerprint and facial unlock
- Secure Android 14 environment
- Configurable user access and application control
- Manufacturer updates and device lock-down options

### Field-Optimized Features

From utilities to emergency services, it includes features often overlooked in consumer smartphones:

- FM radio (no headphones needed)
- Torch, compass, and native GPS tools
- Glove-compatible touchscreen
- Lightweight (383g) yet durable
- Expandable memory up to 1TB
- Visual and tactile feedback, even in high-noise zones

## Field companion

From the substation to the mountaintop, rainy jungle or motorway, this mobile will always be your field companion.

It consolidates critical communications, location services, field documentation, and physical endurance into a single mobile platform, ensuring your teams are connected, informed, and protected, no matter where the job takes them.

## Field Reliability & Resilience

Enduro.WP50 is built to operate in demanding environments where conventional smartphones fail. Its rugged housing, military-grade certifications, and extended autonomy ensure continuous service in remote sites, substations, transmission towers, and during outages. Whether facing dust, heat, rain, vibration, or poor signal, it protects your operations from communication loss and data capture failure.

### Stay Operational

The Enduro.WP50 offers resistance to immersion, shock, and dust. The device is glove-friendly, drop-tested, and optimized for field use with large buttons, tactile response, and high screen brightness for sunlight readability.

- Waterproof, Dustproof, Drop-proof
- Operational from -30°C to +60°C
- Resists Chemicals/Vibration/Humidity
- One-hand operation with rugged grip





## Smart Power Management

The Enduro.WP50 is equipped with a 6500mAh battery and power-saving silicon, it is designed to last full shifts and beyond. Its capability allows field teams to replace batteries on the go, without powering down. The reverse charging feature turns the Enduro.WP50 into a backup battery for other devices.

## Security & Control

Field devices are often shared across teams and moved between regions. Enduro.WP50 ensures access with biometric authentication, encrypted storage, and Android security stack.

This enables user profile segregation, secure app usage, and compatibility with MDM platforms for large-scale fleet management.

- Fingerprint and Face ID login
- Configurable user roles and profiles
- Remote lockdown and reset tools
- Private file and credential management

## NFC capability

The mobile enables Near Field Communication (NFC) for critical industrial applications such as asset identification, inventory logging, and staff authentication. Field teams can scan NFC-tagged equipment, tools, or facility access points to instantly retrieve digital records, verify usage, or control access. This feature streamlines workflows in substations, warehouses, and high-security sites for accurate tracking operations without relying on fragile scanners or readers.

### KEY FEATURES

- 5G Dual SIM with global band support
- Military-grade design: IP68/ IP69K / MIL-STD-810H
- 6500mAh battery with hot swap and OTG charging
- Multi-GNSS: GPS, Glonass, Beidou, Galileo
- High-brightness 6.6" Gorilla Glass display
- 48MP main camera with AI support
- Android 14 with biometric authentication
- FM radio, NFC, Wi-Fi hotspot, Bluetooth 5.2
- Supports glove mode & wet screen usage

### APPLICATIONS

- Substations + power plants
- Remote inspections
- Asset documentation
- Incident response
- Fault reporting
- Dispatch communication
- Cross-border fieldwork
- Hi Voltage environments
- Support for drones, sensors, and GNSS field tools

### BENEFITS

- Uninterrupted communication in remote areas
- Long battery for full-day field missions
- Rugged build reduces failure and replacement costs
- Secured access in team-based environments
- Captures high-quality photo/video evidence on-site
- Enables digital reporting and geo-tagging of events
- Simplifies logistics with dual SIM and universal charging
- Ready for integration into mobile GIS, SCADA, apps

Wireless	
Mobile	<ul style="list-style-type: none"> <li>• 5G/4G/3G/2G</li> <li>• GSM: B2/B3/B5/B8</li> <li>• WCDMA: B1/2/4/5/8/19</li> <li>• FDD: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28AB/66/71</li> <li>• TDD: B34/B38/39/40/41F(HPUE)</li> <li>• 5G SA: N1/2/3/5/7/8/20/28/38/40/41/66/71/77/78</li> <li>• 5G NSA: N1/2/3/5/7/8/20/28/38/40/41/66/71/77/78</li> </ul>
Connectivity	<ul style="list-style-type: none"> <li>• Bluetooth 5.2 BLE (Bluetooth Low Energy)</li> <li>• Wi-Fi BT 5.1</li> <li>• NFC at 13.56 MHz (Near Field Communication)</li> </ul>
Tagging	<ul style="list-style-type: none"> <li>• GPS Geotagging with latitude, longitude time-stamp for photos, videos and reports</li> </ul>

Platform	
Features	<ul style="list-style-type: none"> <li>• OS: Android 14 phone</li> <li>• CPU: 5G MediaTek Dimensity 6100 Octa Core 2.2GHz</li> <li>• RAM: 12 GB</li> <li>• Storage Capacity: 256 GB</li> <li>• Connector: USB Type C</li> <li>• Biometric: Face Recognition</li> <li>• Water Resistant IP68, IP-69</li> <li>• Flash Memory: 1 TB Expandable Memory</li> </ul>
SIM	<ul style="list-style-type: none"> <li>• Slots: Dual SIM</li> <li>• SIM Size: Nano</li> </ul>
Display	<ul style="list-style-type: none"> <li>• Display: Touchscreen Corning Gorilla Glass Multi-Touch Full HD LCD</li> <li>• Display Size: 6.6 inches</li> <li>• Refresh Rate: 60 Hz</li> <li>• Resolution: 720 x 1612 Pixels</li> <li>• Density: 268 Pixels Per Inch (PPI)</li> </ul>
Camera	<ul style="list-style-type: none"> <li>• Front and Rear Facing Cameras</li> <li>• Front Photo Sensor Resolution: 8 MP</li> <li>• Rear Facing Camera Photo Sensor Resolution: 48 MP</li> <li>• Shooting Modes: AI, Beauty, Depth, High Dynamic Range, Monochrome Mode, Panorama, Portrait</li> <li>• Video Capture Resolution: 1080p</li> <li>• Frame Rate: 60 FPS</li> </ul>
Battery	<ul style="list-style-type: none"> <li>• Type: Lithium-Polymer</li> <li>• Duration: 44h in a phone call</li> <li>• Capacity 6500mAh</li> <li>• Hot-swappable battery (not included, ref. WP-HSBAT-55IGX)</li> <li>• Abortions Rate: 1.6 Watts / kg</li> </ul>
Ergonomics	<ul style="list-style-type: none"> <li>• Weight: 383 grams</li> <li>• Size: 80 x 172.2 x12 mm</li> </ul>
Case	<ul style="list-style-type: none"> <li>• Perfect fit</li> <li>• Proof: water-, dust-, and shock-resistant materials</li> <li>• Allows the device to be operated when the case is attached</li> <li>• Access to the rear main camera</li> </ul>

General	
Description	<ul style="list-style-type: none"> <li>• OUKITEL WP50 5G Dual SIM rugged smartphone</li> <li>• Built-in GPS</li> <li>• Rugged Body</li> <li>• Water Resistant</li> </ul>
Made by	<ul style="list-style-type: none"> <li>• Designed by ALBEDO Barcelona (Spain)</li> <li>• Manufactured by Shenzhen Yunji Intelligent Technology Co. Ltd</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>• 18 months</li> </ul>

