

Ranger 3

SLIM. LARGE. POWERFUL.

Your Ultimate Partner: From Warehouse to Delivery



EIGHT WINNING FEATURES. ONE UNBEATABLE PERFORMER

The Command View Display



The UHF Bulk-Recognition Master



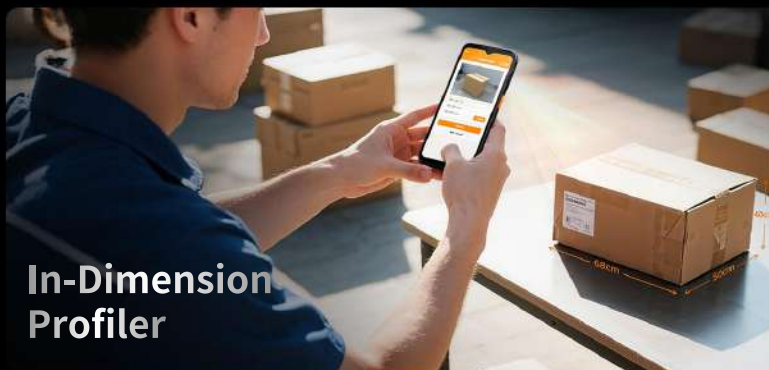
Precision Location Expert



High-Octane Processing Core



In-Dimension Profiler



The Eagle-Eye Scanner



The Signal Agent



Marathon Battery



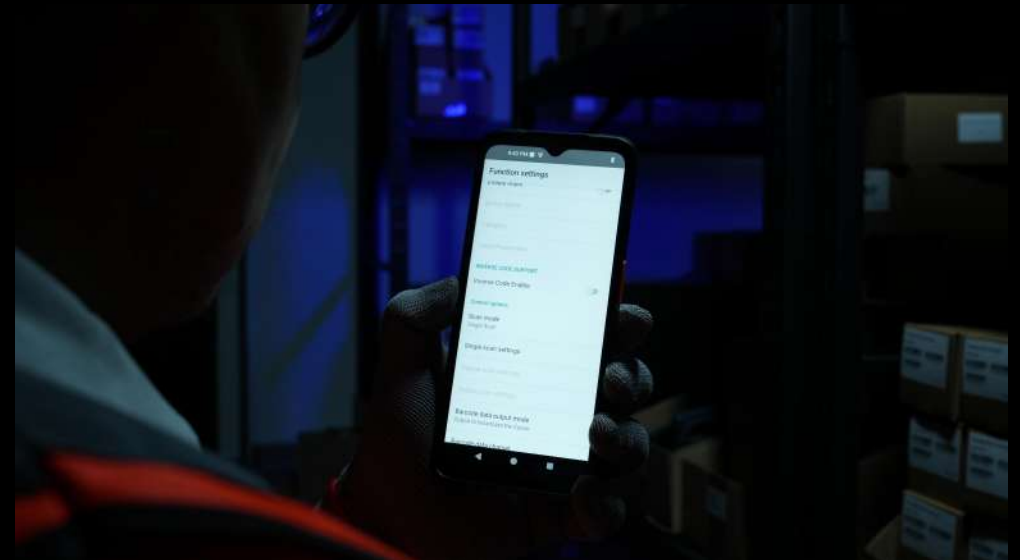


THE COMMAND VIEW DISPLAY SEE IT ALL, COMMAND IT ALL.

6.5 Sunlight-Readable Display. A fully laminated edge-to-edge screen delivers a smartphone-like viewing experience with clear visibility indoors and outdoors.

A VISION OF BRILLIANCE, IN ANY LIGHT

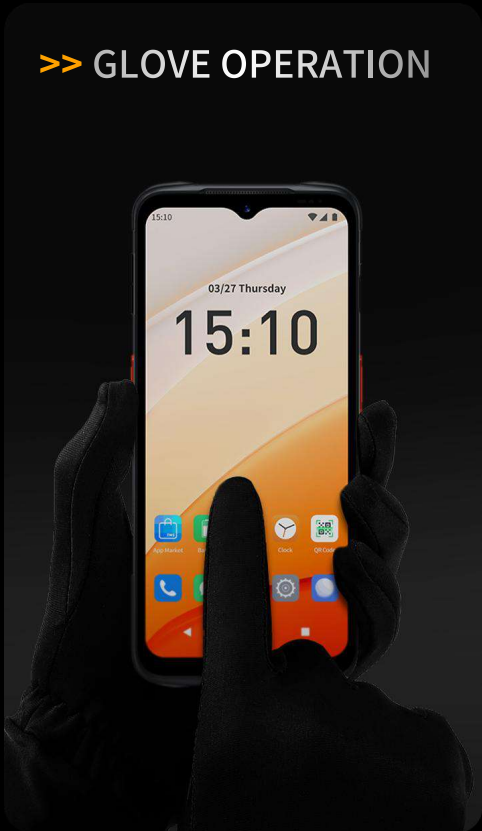
FHD+ resolution and 480 nits brightness ensure clear visibility in dim light or direct sunlight.



SUPERIOR VISIBILITY

RELIABLE TOUCH

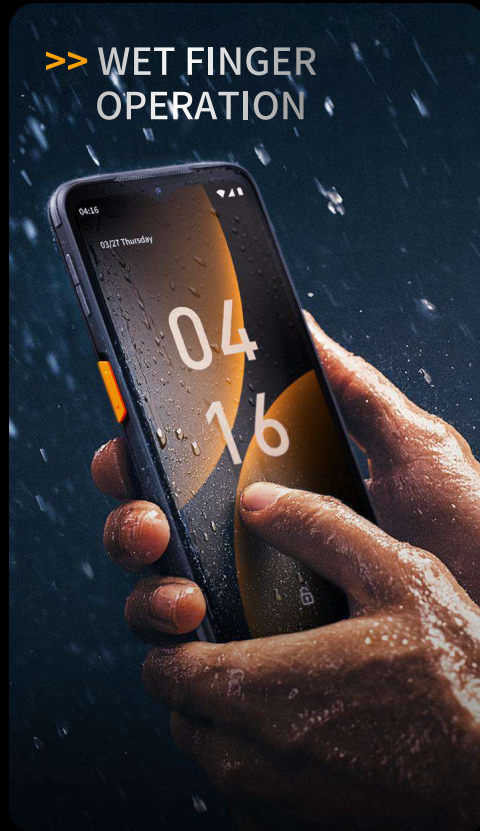
>> GLOVE OPERATION



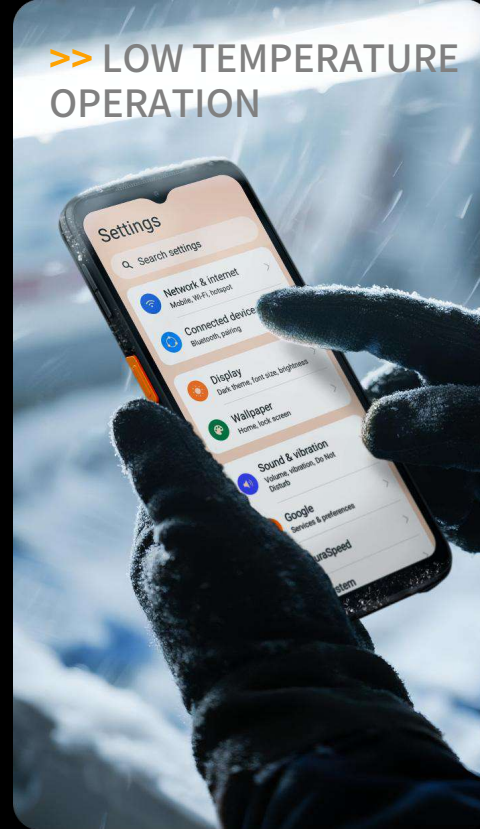
>> SANDY/DUSTY OPERATION



>> WET FINGER OPERATION



>> LOW TEMPERATURE OPERATION



>> OILY SURFACE OPERATION



HIGH-OCTANE PROCESSING CORE

Whether on delivery tasks or in retail stores, experience consistently fluid operation and uninterrupted task handling for maximum efficiency.

Antutu Score

340,000

vs Previous Gen

41% ↑

Seamlessly Switch

4 Apps

Smoothness
Maintained

3-5 years



THE EAGLE-EYE SCANNER

Equipped with the **5th-Generation Eagle Vision 5** scanning engine, it features **TOF ranging and autofocus technology for auto-adaptive decoding within 10 meters**, ensuring farther, faster, and more accurate scanning performance.

THE UHF BULK-RECOGNITION MASTER



UHF Reading
Reads up to 40 tags simultaneously within 1.2 meters,
streamlining operations like picking, checkout, traceability,
and anti-counterfeiting with enhanced speed and accuracy.

IN-DIMENSION PROFILER

iTOF Sensor & Laser Rangefinder
Automatically measures package
dimensions with ease, saving time and
effort while boosting operational
efficiency.



THE SIGNAL AGENT

WiFi 6E + MIMO

Comparison Item	WiFi 5 802.11ac	WiFi 6E (802.11ax Extension)	Improvement point
Frequency Band	5GHz	6GHz	New 6GHz band less interference, faster transmission
Latency	Standard Performance	Lower Latency	Faster upload of scan data Quicker system response
Throughput	~3.5 Gbps Theoretical Value	Up to9.6 Gbps (Theoretical Value)	Accelerated data transfer
MIMO Technology	Downlink MIMO	uplink+Downlink MIMO (Bidirectional Acceleration)	Improved upload/sync speed in both directions
OFDMA Support	Not Supported	Supported	Sustained efficiency in multi-device environments

- Ultra-low network latency
- Low power consumption
- Weak network environment, fast interaction

THE SIGNAL AGENT

**WIFI 6E + MIMO,
UNINTERRUPTED
CONNECTIVITY,
UNSTOPPABLE
WORKFLOW**



Penetrates Walls with Strong Signal
Seamless Indoor/Outdoor Handover
High Bandwidth + Multi-Channel Concurrency

THE SIGNAL AGENT

STABLE CONNECTIVITY IN WEAK SIGNAL AREAS

Maintains reliable communication and stable data upload even in signal blind spots and network edge zones.



*Basement warehouses, Busy commercial streets,
High-density urban buildings

Advanced 4G Multi-Antenna System

📍 PRECISION LOCATION EXPERT



L1 + L5 Dual-Band GNSS & Barometer

Combines high-precision positioning with altitude awareness for accurate navigation in urban streets, multi-story warehouses, and complex indoor environments.

MARATHON BATTERY

**33W Fast Charge restores 85% in just 1 hour. Charge and go.
+ 5100mAh Nautilus large battery**

Supports 30,000+ continuous scans*
Hot-swappable battery eliminates shutdowns
Ends battery anxiety.

12h*

DOU*

15 Days*

Extended Standby
Endurance

30 Secs*

Hot-Swap Battery
Operation

*Ranger 3 Typical Battery Capacity: 5100mAh

*DOU data uses Xiangcheng Communication's latest test model

*Hot-swap without shutdown: Device remains operational when replacing battery within 30s before deep hibernation

*Tested in XC TECH Lab: 55 °C ambient, 150 nits screen, max speaker volume, 30% flash brightness, WiFi on, full battery.

Results may vary with test conditions.



Multi-Tool Suite

Effortless Device Setup



Barcode Utility

Barcode Scanning Toolkit,
Multi-Symbology Demo Library



Movstage

Bulk Device Deployment



Movprofile

Profile Switching Utility



Kiosk

Hardware-Software Access
Control



Keyboard Mapping

Programmable Key Mapping



TMS

Proprietary MDM System

End-to-End Device Lifecycle Management

Compatible with Major IoT Cloud Platforms
& Professional Browsers



SOTI



ivanti



3RD- GENERATION RUGGED DESIGN



Robust Structural Design* Engineered Protection. Enduring Reliability

Through 1,000+ drop tests, we optimized our proprietary magnesium-aluminum alloy unibody chassis with internal layout enhancements for exceptional structural integrity and long-term reliability.

Impact-Resistant
Rubber

RUGGEDIZED CHASSIS ENSURES FEARLESS OPERATION

Robust · 坚



1.5m Drop-proof*
Engineered to withstand drops and heights with Forged-Kai frame and integrated armor.

Protect · 防



IP67 Dust/Water Resistance*
Maintain control in emergencies intuitive response when it matters most.

Flexible · 韧



Master of Harsh Realities*
Conquer oil-slicked, gloved, or rain-beaded surfaces with unwavering reliability



Drop Test Cycles
3,000*



Tumbling Test
2,000*



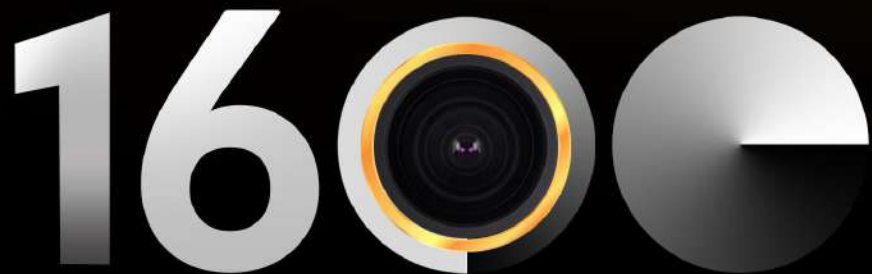
Extreme Compression Test
1,000*



USB Port Durability Cycles
10,000*



Touchscreen Actuation Cycles
1,000,000*

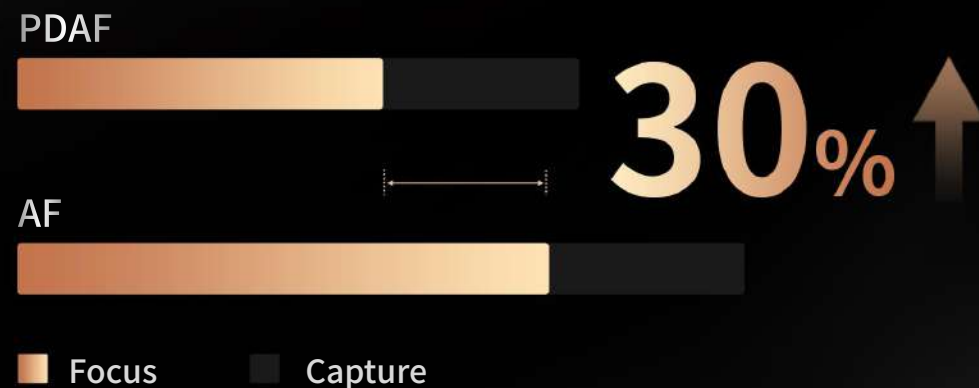


16MP+2MP Rear and Front Cameras

16MP rear camera with PDAF:
30% faster focus than AF* | Enhanced low-light clarity.

*Data sourced from XC TECH Lab. Actual performance may vary due to testing conditions.

Up to 30% Faster Focus Acquisition



16MP HIGH-DEFINITION CAMERA

Captures clear and scannable images in low-light warehouses or under direct sunlight, enabling quick and accurate reading of waybills, labels, and IDs.



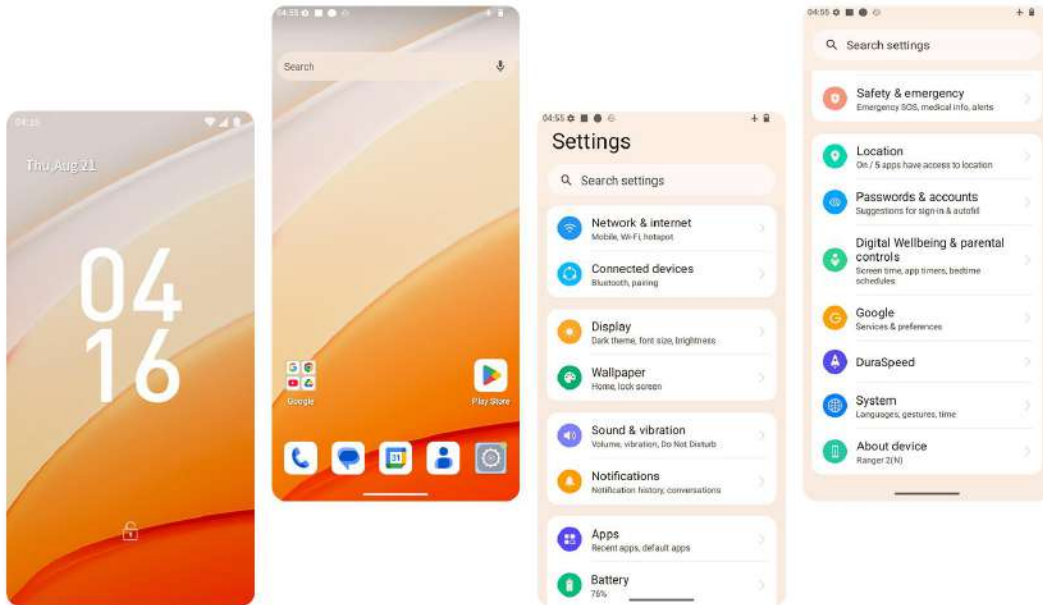
Uncompromised Performance

CORE TO SURFACE

>> MovFast UI

Engineered for Peak Productivity

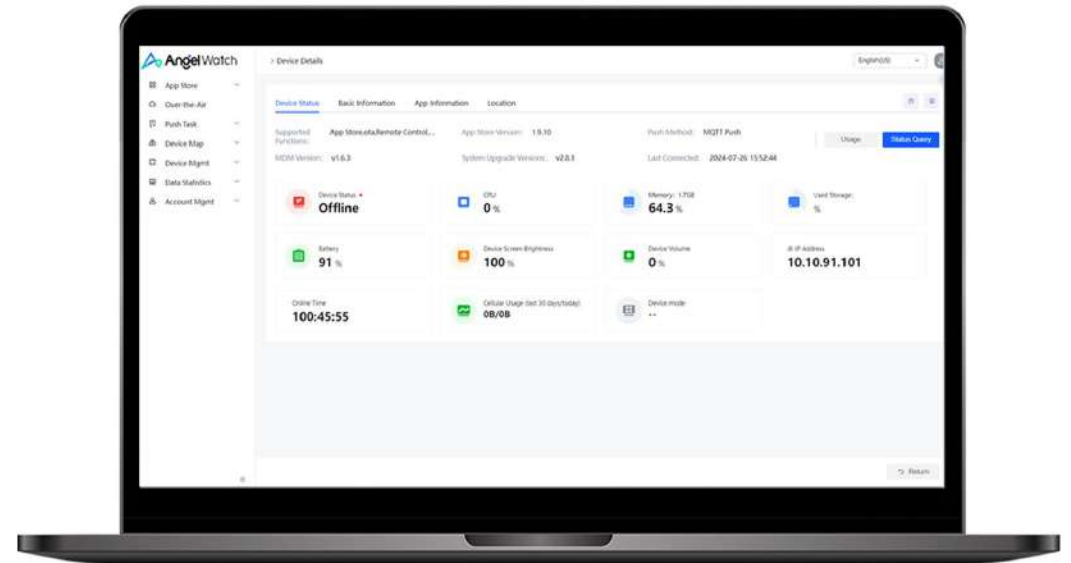
Android15 | Lightweight Architecture | Inherent Security



>> MovFast MDM

AngelWatch+

Our proprietary MDM platform enables cloud-based software management, bulk device control, unified configurations, robust security, and remote access simplifying operations, boosting efficiency, and cutting enterprise costs.



*For software package terms, conditions, and usage requirements, contact MovFast® via official channels

EIGHT POWERFUL CAPABILITIES

All in your Hand



6.56"

Resolution: 2408*1080

15.9mm

Thickness

235g

One-Handed Operation

ACCESSORIES



Pistol Grip

Single
Charging Cradle



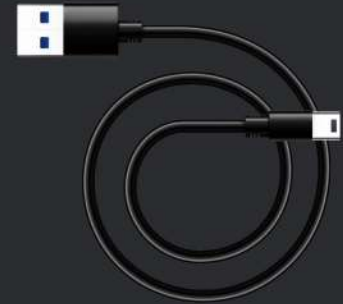
Adapter



4-slot Battery Charger



USB



Hand Strap



*Accessories sold separately.

Ranger 3



Product Model

T25



CPU

2*A76@ 2.2GHz+
6*A55@ 2.0GHz



O.S.

Android 15.0



Memory

6 GB RAM+64 GB(Default)
8GB RAM+128 GB(Optional)
8GB RAM+256 GB(Optional)



SIM

2*Nona SIM or
1*Nona SIM+1*TF



Display

6.58 " HD+
Resolution: 2408*1080
Brightness: 450nit
Multi-Touch



Camera

Rear: 16M, PDAF
Front: 5M, FF



Battery

5100mAh Removable
Battery



Audio

Built-in Mic
High-Volume Speaker



Charge

Type-C Charging , Supports 33W
fast charging and pogo pin
charging from the bottom



Notification

High-volume Speaker
Vibration Notification
LED Notification



Sensors

Accelerometer/Proximity/
Ambient Light/E-Compass/
Gyroscope/Barometer



Supported Scanners

XC E5 Default
XC E4 Optional



Supported Barcodes

Supports 1D and
2D barcodes



Scanner Angle

0°or 30°



ITOF (Optional)

Object measuring: Standard
parcels (under 60cm/side);
Measuring range: Up to 1.5m
Measurement accuracy: 98%



WWAN

2G/3G/4G



WLAN

IEEE 802.11 a/b/g/n/ac/ax
Wifi5/6/6E
MIMO 2x2



Bluetooth

Bluetooth Class 5.2



GPS

Beidou, GPS(L1& L5), AGPS,
GLONASS, GalileoQZSS,
NAVIC/IRNSS, SBAS



USB

Type-C*1
(USB 2.0)



OTG

Support



RFID (Optional)

Reads up to 40 tags/sec within
1.2m range



Dimensions

76.9*170*12.6mm



Vibration Motor

Built-in vibration motor



NFC

Frequency 13.56MHz
Reading distance Within 2-4cm
Communication protocol ISO/IEC 14443 A/B type FeliCa ,
Mifare®, ISO/IEC 15693



Environmental Parameters

Operating Temperature: -20 ~ 55
Storage Temperature: -40 ~75 (without battery)
Humidity: 5%-95% Non-condensing



Drop

Drop Test: 1.5m onto concrete
Tumble Test: 1000 cycles from 0.5m

IP Rating: IP67
ESD Protection: Contact: ±8KV, Air: ±15KV