PRODUCT SPEC SHEET

SR5750

Android Wearable Computer



Meet the SR5750

A New Era of Wearable Intelligence

The SR5750 is more than just a scanner—it's a fully integrated, enterprise-grade wearable computer built for next-generation warehouse operations. Combining high-performance Android computing with professional-grade scanning, it streamlines workflows from picking and inventory management to inbound and outbound logistics.

Weighing just 70g, the SR5750 runs on Android and features a 2.1-inch AMOLED touchscreen, allowing workers to complete end-to-end workflows directly on the device.

Equipped with Wi-Fi 6 ,2x2 MU-MIMO and Bluetooth 5.3, the SR5750 delivers fast and stable connections. An optimized antenna design ensures consistent performance in any wearing mode.

A professional scan engine, paired with a 13MP PDAF camera, enables simultaneous millisecond barcode decoding and high-resolution image capture.

Designed for flexibility, the SR5750 can be worn on the wrist, finger, back of the hand, or via a neck strap. Four physical buttons enable true hands-free operation, maximizing efficiency. In-display NFC allows instant login, seamless data exchange, and quick accessory changes—keeping workflows continuous throughout the shift.

Product Highlights

Compact, Mighty, All-in-one Host

Powered by a high-performance Octa-core 2.0GHz processor and Android 13, this compact wearable host delivers strong computing capability in a lightweight form factor. Featuring a tailored Watch UI, it enables users to complete end-to-end tasks directly on the device—eliminating the need to carry both a mobile computer and a ring scanner, and simplifying workflows like never before.

2.1-inch Touchscreen Display

The SR5750 delivers full Android computing through a responsive 2.1-inch AMOLED touchscreen, enabling users to view tasks, navigate workflows, and interact with applications directly on the device. The bright, high-clarity display requires no backlight and consumes less power, ensuring excellent visibility and longer battery life for uninterrupted operation.

Reliable Connectivity

Delivers seamless, real-time data flow with Wi-Fi 6 and Bluetooth 5.3, combining high-speed, low-latency, reliable wireless communication. It supports dense device connections with enhanced security and reduced congestion, while optimizing BLE performance with faster pairing, extended range, improved power efficiency, and stable connections—ensuring efficient, continuous workflows in demanding warehouse environments.

Adaptable Wearability

Supporting wrist strap, glove, finger ring, back-of-hand, and neck strap configurations—with left- and right-hand wear support—the SR5750 adapts to picking, replenishment, sorting, and inspection tasks. Featuring four tactile triggers, including a programmable shortcut key, it delivers precise control and maximum flexibility, ensuring the device fits the unique demands of any operational environment.

Intelligent Data Capture

The integrated scan engine decodes standard and complex barcodes quickly, supporting high-volume workflows like order picking and sortation. Motion and proximity sensors trigger automatic scans, reducing repetitive actions and enhancing ergonomics.

Additionally, the 13 MP PDAF camera supports visual documentation—such as damage verification and proof-of-process—eliminating the need for secondary devices.

Simplified Device Provisioning and User Authentication

The SR5750 features in-display NFC for tap-to-log-in authentication, rapid device pairing, and streamlined staging—reducing IT deployment time while supporting shared-device environments common in multi-shift operations.

Programmable Button: One-Touch Efficiency

The SR5750 features a programmable button that can be mapped to functions such as push-to-talk (PTT) communication or quick app launch. This allows users to streamline operations, reduce task steps, and save valuable time by accessing key functions with a single press.

Complex Tasks: Heads-Up, Hands-Free Operations

Paired with AR glasses or headsets via Bluetooth, the SR5750 provides real-time visual and voice guidance that aligns with natural movement. Operators can stay focused ahead—reducing device checks, minimizing fatigue, while improving efficiency in complex tasks.

Purpose-Built for Extreme Conditions

Engineered for demanding environments, the SR5750 features IP67 sealing and 1.8m drop resistance, ensuring reliable performance in picking zones, cross-docks, and high-mobility workflows.

Visualized Fleet Management

UROVO UMS (Unified Management System) provides visualized management, enabling IT administrators to centrally manage multiple mobile devices from a single dashboard across different device types and operating systems. It supports shared device access control, application whitelisting and blacklisting, as well as granular user and device group permissions. From deployment to decommissioning, UMS streamlines device and smart battery lifecycle management, remote data wipe, and password policy enforcement—helping enterprises protect critical data while improving workforce productivity.

Streamlined Device Setup & Enterprise Management

UROVO U-Stage is designed to make device setup faster and simpler, helping customers get all their devices ready for use with minimal effort. By creating a staging file with the required configurations, settings, and applications, devices can be automatically set up through remote deployment, local file import, or QR code scanning—without manual procedures.

Specifications

PERFORMANCE CHARACTERISTICS

CPU	Octa-core 2.0GHz Antutu Score 308,016 (V11)
Operating System	Android 13
Memory	4 GB RAM + 64GB ROM

PHYSICAL CHARACTERISTICS

Dimensions	60 mm L x 58 mm W x 14 mm D
Weight	70g
Display	2.1 inches 410 x 502, AMOLED, 700 nits
Touchpanel	Multi-mode capacitive touch with bare or gloved fingertip input or stylus (sold separately), Corning Gorilla Glass; Water droplet rejection; Fingerprint resistant anti-smudge coating
Power	Non-removable battery Standard capacity 3.85V 1150mAh / 4.43Wh; Smart Battery Management
Interface	Bottom: 5-pin Charging Connector &communication I/O; Rear: 2-pin communication I/O
Notification	Audible tone ; Vibration; LED
Keypad & Button	On-screen keypad and Enterprise Keyboard; Power button; Functional button; Dual-action side scan buttons
Voice and Audio	One microphones; High-quality Single speaker phone; Bluetooth wireless headset support, SWB & FB audio
PTT Hot Key	Supports functional button

WIRELESS LAN

Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax; 2x2 MU-MIMO; Wi-Fi™6 (801.11ax); IPv4, IPv6
Data Rates	5 GHz: 802.11a/n/ac/ax—20 MHz, 40 MHz, 80 MHz—up to 400 Mbps; 2.4 GHz: 802.11b/g/n/ax—20 MHz, 40 MHz up to 286.8 Mbps
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES),EAP- TTLS (PAP, MSCHAP,MSCHAPv2),EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1- EAP-GTC , LEAP and EAP-PWD; WPA3 Enterprise 192-bit mode (GCMP-256)-EAP-TLS; Enhanced Open (OWE); WPA3-FT, SCV (Server Certificates Validation)

WIRELESS PAN

Bluetooth	Configurable Class 1 and 2, Bluetooth v5.3; Classic Bluetooth(BR/EDR) and Bluetooth LE

DATA CAPTURE

Scanning	Standard Range 1D/2D scan engine; FlexRange 1D/2D scan engine (Optional) Support presentation model(Optional)
Camera	Top: 13MP autofocus; flash LED, PDAF; Torch mode
NFC	ISO 14443 Type A; Sony FeliCa and ISO 15693 cards; Card Emulation via Host; MIFARE 1K/4K, MIFARE DESFire, ISO/IEC 18092 (Type F); Host Card Emulation ;Peer-to-Peer

SENSOR

Light Sensor	Ambient Light
Other Sensors	Accelerator + Geomagnetic + Gyro+Proximity （Optional）

USER ENVIRONMENT

Operating Temp	-20° C to 50° C / -4° F to 122° F
Storage Temp	-40° C to 70° C/ -40° F to 158° F
Humidity	5% to 95% non-condensing
Drop Spec	1.8 m/5.9 ft. drops to tile over concrete over operating temp (-20° C to 50° C/-4° F to 122° F) per MIL-STD 810H
Tumble Spec	1000 1.6 ft./0.5 meter tumbles at room temperature without Rugged boot
Sealing	IP67

Vibration	12.2 g PK Sine (10 Hz to 55 Hz); 2.0 mm Double Amplitude (Constant Displacement); 60 minute duration per axis, 3 axis
Thermal Shock	-40° C to 70° C(-40° F to 158° F)thermal shock; 12 cycles (1 cycle = 1 hour at -40° C and 1 hour at 70° C); 2-hour recovery at room temperature before inspection
ElectrostaticDischarge (ESD)	+/-15kVdc air discharge +/-8kVdc direct discharge +/-8kVdc indirect discharge

SOFTWARE SOLUTIONS

UEE Software Solutions	-Enterprise Management: Unified Management System (UMS) UStage Provisioning UTalk 2.0 PTT platform OTA / Firmware Update Management -Device Productivity: ScanWedge U-Browser Enterprise Launcher -Diagnostics & Maintenance: Log Capture WiFi Diagnostics Smart Battery Management

ACCESSORIES

Accessories	• Charging cradle (1 SR5750 device) • 4-slot Charging Cradle (4 SR5750 devices) • Watch Band • Ring Trigger • Neck Strap • Back of Hand Mount • Scan Grip • 10W(5V/2A) wall adapter + USB 2.0 Type C cable

Industry & Applications

Warehouse

Sorting
Put-away
Order Picking

Transportation & Logistics

Sorting
Put-away
Order Picking
Loading/unloading

Retail

Customer Assistance
Push-to-talk(PTT)
Team Communication
Item Lookup

FOR MORE INFORMATION

UROVO PTE.LIMITED
urovo@urovo.com
en.urovo.com
1 Raffles Place,#21-01 One Raffles Place Tower 1,Singapore 048616

Urovo Europe
urovo@urovo.com
europe.urovo.com
de Maas 9,5684PL,Best,the Netherlands

Urovo North America
urovo@urovo.com
us.urovo.com
1990 Main Street,Suite 750,Sarasota,Florida 34236