SCANPAL™ EDA52

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2 PIN Mobile Computer

The Honeywell ScanPal™ EDA52 is an enterprise-class mobile computer that provides reliable and secure connectivity between frontline workers and back-end business systems. It is designed for use in retail, transportation & logistics, manufacturing, healthcare, and public service applications.



android enterprise recommended

Android 11, 5.5-inch Corning Gorilla Glass touchscreen, 4500mAh battery, 3/32GB, 4/64GB, 6/128GB optional memory, Qualcomm Snapdragon octa-core 2.0GHz processor, Wi-Fi 5, Bluetooth 5.1, 4G LTE connectivity, one nano SIM plus one eSIM, IP67.

The ScanPal EDA52 is Honeywell's next generation ScanPal series mobile computer equipped with the latest Qualcomm Snapdragon octa-core 2.0GHz processor and robust wireless connectivity through NFC, Wi-Fi 5, Bluetooth 5.1 and 4G LTE communication.

A prominent 5.5-inch Gorilla Glass touch screen interface and ergonomic industrial design help to greatly improve user comfort and experience. Its lightweight and slim design means that users can easily operate the device with one hand, carry it in pockets, and stay comfortable all day.

The 13-megapixel rear camera allows users to capture high-resolution images for quality image documentation while the 5-megapixel front camera allows users to engage in video communication.

The EDA52 incorporates the all-new and powerful Honeywell S0703 scan engine which enables fast reading even of damaged or incomplete barcodes.

Outfitted with a rugged housing and IP67 rated sealing, the EDA52 can operate under rough usage and demanding environmental conditions. A 4500mAh battery allows for prolonged and uninterrupted use between each charge. The battery is also easily removable and supports quick charge 3.0.

The EDA52 (WWAN version) supports one nano SIM and one eSIM simultaneously. An eSIM enables simple management of subscriptions to different mobile network carriers, thereby allowing easy switch between carriers without the need to manage multiple physical SIM cards.

The EDA52 is built on Android 11 and can be upgraded to Android 13* minimizing maintenance issues and ensuring long-term feature support. It is validated under AER (Android Enterprise Recommended)**, a Google-led initiative that helps businesses confidently select, deploy, and manage Android devices and services best suited to their needs.

The EDA52 can be easily paired with Honeywell's IH25/IH40 RFID reader. Users can quickly capture large volume of RFID information in applications such as retail and warehouse inventory tracking.

For existing Honeywell mobile computer users, the EDA52 can be backward-compatible with existing Honeywell accessories, the ScanPal EDA51 single charging dock by adding an adapter cup. This will further help our existing customers reduce their total cost of ownership (TCO).

FEATURES AND BENEFITS

Powerful hardware platform based on the Qualcomm SM6115 octa-core processor, 3GB/32GB, 4GB/64GB, and 6GB/128GB memory options to handle different workloads.

Large 5.5-inch full touch display screen. Lightweight and pocket-fitting IP67 design that can withstand rugged usage under tough field service environments.

Multiple fast connections by WWAN (Nano and eSIM) or WLAN, Bluetooth 5.1, NFC, GMS and 4G LTE.

Removable 4500 mAh lithium-ion battery that can last for more than 12 hours of straight use.***

Easily scan barcodes, even damaged ones, with the Honeywell enterprise level S0703 imager. Document images with the 13MP auto-focus camera and make video calls with the 5MP front camera.

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SCANPAL EDA52 Technical Specifications

MECHANICAL

Dimensions:
159mm x 75 mm x 14.4 mm (6.26 in x 2.95 in x 0.57 in)
Weight: 258g
Display Size: Gorilla Glass 5, 5.5-inch
Resolution: 1440 x 720 High Definition
Backlight: LED
Touchscreen: Multi-touch capacitive (CTP), GFF
Hard Keys: 5 side keys for volume up/down, right and left scan keys and power on/off

ENVIRONMENTAL

Operating Temperature:
-20°C to +50°C (-4°F to +122°F)
Storage Temperature:
-30°C to +70°C (-22°F to 158°F)
Humidity: 5% to 90% (non-condensing)
Drop: Multiple 1.3m (4.3ft) per MIL-STD 810G drops to concrete at room temperature
Multiple 1.5m (5ft) per MIL-STD 810G drops with rubber boot concrete at room temperature
Tumble: 550 times at 0.5 m (1.64 ft)
Environmental Sealing: IP67
Electrostatic Discharge (ESD):
±8 kV direct; ±15 kV air

SYSTEM ARCHITECTURE

Processor: Qualcomm Snapdragon SM6115, Quad high-performance Kryo cores 2.0 GHz +Quad low-power Kryo cores 1.8 GHz
Memory: 3 GB RAM/32 GB Flash; 4 GB RAM/64 GB Flash; 6 GB RAM/128 GB Flash
Operating System: Android 11, and upgradeable to Android 13*
Storage Expansion: MicroSD (up to 128 GB)
Rear Camera: 13-megapixel color camera
Front Camera: 5-megapixel color camera
PC Interface: USB 2.0 with Type-C interface
Interface Ports: 2 pin bottom connection
Battery: Li-Ion, 3.8 V, 4,500 mAh, removable
Real-Time Clock (RTC):
10 min backup via super-cap
Charging Time: less than 3.5 hours
Battery Runtime: more than 12 hours
Scan Engine: Honeywell S0703 Slim Imager (1D/2D barcode symbologies)

LED

Battery Status Indicator: red/green/blue
Scan Indication: red/green
Sensors: acceleration sensor, light sensor, and proximity sensor
Localization & Language: Worldwide English

WIRELESS CONNECTIVITY

WLAN (Wi-Fi Alliance certified) :
IEEE 802.11 a/b/g/n/ac
Additional WLAN Features:
802.11 d/e/h/i/k/ r/u/w
WLAN Security: OPEN, WEP, WPA/WPA2 (Personal and Enterprise WPA2), WPA3 (OWE, SAE, Enterprise)
WLAN Supported EAP:
TLS, PEAP, TTLS, PWD, LEAP
Bluetooth®: Bluetooth Class 5.1
WWAN Radio:
- **GSM/EDGE:** Bands 2, 3, 5, 8
- **UMTS/HSPA+:** Bands 1, 2, 4, 5, 6,8, 9, 19
- **FDD-LTE:** Bands 1, 2, 3, 4, 5, 7, 8, 9, 12,13,17,19,20,25,26,28,30,66
- **TDD-LTE:** Bands 38, 39, 40, 41

NFC: Integrated Near Field Communication
GPS (WWAN only) Supported Protocols:
Simultaneous receiver support for GPS, GLONASS, and BeiDou

ACCESSORIES

Single Charging Home Base: Charges one terminal and one replaceable battery simultaneously
Backwards Adaptor Cup: Be compatible with EDA50/51 single charging dock
Standard Battery Pack
Quad Bay Battery Charger
RFID Bracket
Scan Handle
Rubber Boot
Wrist Strap
Hand Strap
Screen Film
Single Charging Dock: Charges one terminal
Quad Bay Charging Base: Charges four terminals simultaneously

WARRANTY

One-year factory warranty
For more information about Warranty, please visit https://sps.honeywell.com/us/en/support/productivity/warranties

For a complete listing of all compliance approvals and certifications, please visit
www.honeywellaidc.com/compliance.

For a complete listing of all supported barcode symbologies, please visit
www.honeywellaidc.com/symbologies.

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* Android 13 is pending for the confirmation from Qualcomm & Google.
** Find the AER rugged devices, please visit https://android-enterprisepartners.withgoogle.com/
*** Battery life depends on usage and other factors.

For more information
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THE FUTURE IS WHAT WE MAKE IT

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