

# SCANPAL™ EDA52

## 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.

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 accurate and 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 e-Sim 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.



*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 EDA52 is built on Android 11 and can be upgraded to Android 13\* eliminating 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" 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.

\* Android 13 is pending for the confirmation from Qualcomm & Google.

# 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, size 13.84cm (5.45 in)

**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 a complete listing of all compliance approvals and certifications, please visit**

[www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

**For a complete listing of all supported barcode symbologies, please visit**

[www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

## For more information

[sps.honeywell.com](http://sps.honeywell.com)

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FUTURE  
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