

SCANPAL EDA52

Mobile Computer

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

EDA52 is Honeywell's next generation ScanPal series PDA equipped with the latest Qualcomm® Snapdragon™ octa-core 2.0GHz processor and robust wireless connectivity through NFC, Wi-Fi 5, Bluetooth 5.0 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 CGG touchscreen, 4500mAh battery, 3G/32G, 4G/64G, 6G/64G, 6G/128G optional memory, Qualcomm® Snapdragon™ octa-core 2.0GHz processor, Wi-Fi 5, Bluetooth 5.0, 4G LTE connectivity, one nano SIM plus one eSIM, IP67.

The EDA52 is built on Android 11 and can be upgraded to future Android releases, 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 RFID reader. Users can quickly capture large volume of RFID information in applications such as retail and warehouse inventory tracking.

For existing Honeywell PDA users, the EDA52 is backward-compatible with a broad range of Honeywell accessories, including the EDA51 single cradle, home base charger, quad base charger, display and data docking stations. This will further help our existing customers reduce their total cost of ownership.

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 5.0, 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.

Honeywell

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: 260 g (9.17 oz)

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 1.3 m (4.3 ft) drops to concrete at room temperature

Multiple 1.5m (5ft) 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; ±12 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/64 GB Flash; 6 GB RAM/128 GB Flash

Operating System: Android 11

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: Separate SKU 2 or 6 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/blue

Sensors: acceleration sensor, light sensor, and proximity sensor

Localization & Language: Worldwide English

WIRELESS CONNECTIVITY

WLAN(Wi-Fi5 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 5.0

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 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 charge base

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

ACCESSORIES (for 6-pin Models Only)

EDA52 Non-booted Net Base:

Charges four terminals simultaneously with ethernet communication

EDA52 Non-booted Ethernet Base: Charges one terminal only with ethernet communication

EDA52 Non-booted Display Dock: Charges one terminal with external display and ethernet communication

USB Cup

Universal Cup: Be compatible with CT4X universal docks

WARRANTY

One-year factory warranty

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.

ScanPal is a trademark or registered trademark of Honeywell International Inc.

Android is a trademark or registered trademark of Google LLC.

Qualcomm and Snapdragon are trademarks or registered trademarks of Qualcomm Incorporated.

Bluetooth is a trademark or registered trademark of Bluetooth SG, Inc.

All other trademarks are the property of their respective owners.

For more information

sps.honeywell.com

Honeywell Safety and Productivity Solutions

9680 Old Bailes Road
Fort Mill, SC 29707
800-582-4263
www.honeywell.com

EDA52 Data Sheet | Rev A | 03/21
© 2021 Honeywell International Inc.

THE
FUTURE
IS
WHAT
WE
MAKE IT

Honeywell