Honeywell | SAFETY AND PRODUCTIVITY SOLUTIONS

HANDHELD COMPUTERS

EDA52 Handheld Computer

The Honeywell ScanPal™ EDA52 is an enterprise-class mobile computer that provides secure connectivity between frontline workers and backend systems. It is designed for use in retail, logistics, manufacture, healthcare and public service applications.

Overview

ScanPalEDA52 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-Fi5, Bluetooth5.1 and 4GLTE 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 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.

The EDA52 is built on Android11 and can be upgraded to Android13* 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.*Android 13 is pending for the confirmation from Qualcomm&Google

Specifications

FEATURES

Application

- Retail, transportation & logistics, manufacturing, healthcare, and public service

DIMENSIONS

Overall Dimensions

- 159mm x 75 mm x 14.4 mm (6.26 in x 2.95 in x 0.57 in)

SCANNING SPECIFICATIONS

Decode Capability

- Honeywell S0703 Slim Imager (1D/2D barcode symbologies)

NETWORK

Bluetooth Specifications

- Bluetooth Class 5.1

WWAN Specifications

- FDD-LTE: Bands 1, 2, 3, 4, 5, 7, 8, 9, 12,13,17,19,20,25,26,28,30,66
- GSM/EDGE: Bands 2, 3, 5, 8
- TDD-LTE: Bands 38, 39, 40, 41
- UMTS/HSPA+: Bands 1, 2, 4, 5, 6,8, 9, 19

WLAN Specifications

- Additional WLAN Features: 802.11 d/e/h/i/k/ r/u/w
- Security: OPEN, WEP, WPA/WPA2 (Personal and Enterprise WPA2), WPA3 (OWE, SAE, Enterprise)
- WLAN (Wi-Fi Alliance certified):802.11 a/b/g/n/ac
- WLAN Supported EAP:TLS, PEAP, TTLS, PWD, LEAP

GPS Specifications

- GPS (WWAN only) Supported Protocols: Simultaneous receiver support for GPS, GLONASS, and BeiDou

SOFTWARE & FIRMWARE

Operating System

- Android 11, and upgradeable to Android 13 (Android 13 is pending for the confirmation from Qualcomm & Google)

MEMORY & DATA

Memory

- Storage Expansion: MicroSD (up to 128 GB)

HARDWARE

Display Resolution

- 1440 x 720 High Definition

Scan Engine Model

- Honeywell S0703 Slim Imager (1D/2D barcode symbologies)

Display Size

- Gorilla Glass 5, 5.5-inch

Processor

Feedback

- Qualcomm Snapdragon SM6115, Quad high-performance Kryo cores 2.0 GHz +Quad low-power Kryo cores 1.8 GHz

ELECTRICAL

Battery Capacity

- 3.8 V, 4,500 mAh, removable

Battery Type

- Li-Ion

ENVIRONMENTAL

Operating Temperature

- –20°C to +50°C (–4°F to +122°F)

Operating Humidity

- 5% to 90% (non-condensing)

Cold Storage

- –22°F to 158°F
- –30°C to +70°C

STANDARDS & APPROVALS

Tumble Specifications

- 550 times at 0.5 m (1.64 ft)

Drop Specifications

- 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

OTHERS

Camera Position

- Rear and Front

Durability

- Electrostatic Discharge (ESD):±8 kV direct; ±15 kV air
- Environmental Sealing: IP67

Feedback