EDA56 WI-FI6

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2PIN WLAN Mobile Computer

The Honeywell ScanPal™ EDA56 WLAN is a Wi-Fi 6 mobile computer that provides higher data rates and lower latency even in a densely connected environment. The EDA56's design is ideal for retail, manufacturing, logistics, and public service applications.



Fig. 1 EDA56 WI-Fi6

The ScanPal EDA56 is one of Honeywell's ScanPal series mobile computers equipped with the Qualcomm Snapdragon octa-core 2.0GHz processor and robust wireless connectivity through Wi-Fi 6, NFC, and Bluetooth 5.1.

With Wi-Fi 6 technology built-in, the EDA56 provides a faster, better, and stronger connection to the network. Compared to Wi-Fi 5 models, EDA56 as the client devices enjoy a big increase in speed and support multiuser by OFDMA.

The EDA56 incorporates the all-new and powerful Honeywell S0703 scan engine, which enables fast reading of damaged or incomplete barcodes.

Outfitted with a rugged housing and IP67 rated sealing, the EDA56 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 EDA56 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.

FEATURES AND BENEFITS

Embedded with the latest Wi-Fi 6 technology, the ScanPal EDA56 increases data throughput and provides a better experience for voice or video communications even in a highly dense connected environment.

Powerful hardware platform based on the Qualcomm SM6115 octa-core processor, 4GB/64GB, and 6GM/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 in tough field service environments.

Removeable 4500mAh lithium-ion battery that can last upto 12 hours of straight use on a single full charge. ***

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

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 their 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 EDA56 can be easily paired with Honeywell's IH25/IH40 RFID readers. Users can quickly capture large volumes of RFID information in applications such as retail and warehouse inventory tracking.

For existing Honeywell mobile computer users, the EDA56 can be backward-compatible with existing accessories for the ScanPal EDA52. This will further help our existing customers reduce their total cost of ownership (TCO).

Serval value-added software also enhances EDA56 Wi-Fi 6 models for different applications.

Honeywell Operational Intelligence is a software offering that goes beyond simply providing data. It takes it one step further by analyzing that data and converting it to actionable insights - even those you didn't know were there. In addition to providing data-driven insights, Honeywell Operational Intelligence enables automation that helps manage workflows and disruptions in real time.

Honeywell Smart Talk provides unified communications to overcome the problem of fragmented communications and empowers teams with enterprise-grade security for voice calling, text and media messaging, and user presence – all from one device.

EDA56 Wi-Fi6 2PIN Mobile Computer 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: 4 GBRAM/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); Non-imager version (optional)

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 certified): IEEE 802.11 a/b/g/n/ac/ax ,2*2 MU-MIMO

WLAN Security: OPEN, WEP, WPA/WPA2/WPA3 (Personal and Enterprise)

WLAN Supported EAP: TLS, PEAP, TTLS, PWD, LEAP, CCX compliant

Bluetooth: V5.1 Bluetooth and BLE

NFC: Integrated Near Field Communication

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.

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

** Find the AER rugged devices, please visit: https://androidenterprisepartners.withgoogle.com/

*** Battery life depends on usage and other factors.

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