

# EDA56 WI-FI6

## 6PIN 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.

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.



Fig. 1 EDA56 WI-Fi6

## 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 for upto 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

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).

Several 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 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 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:** 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);  
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

## UNIVERSAL ACCESSORIES

**EDA52 Non-booted Net Base:** Charges  
four terminals simultaneously with  
ethernet communication

**EDA52 Non-booted Ethernet  
Base:** Charges one terminal and one  
battery simultaneously 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 more information about Warranty,  
please visit: [https://sps.honeywell.com/  
us/en/support/productivity/warranties](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](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).

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

\*\* Find the AER rugged devices, please  
visit: [https://androidenterprisepartners.  
withgoogle.com/](https://androidenterprisepartners.withgoogle.com/)

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

NOTE: Android, Google, Qualcomm,  
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## For more information

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

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