SCANPAL™ EDA57

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6-Pin Mobile Computer

The Honeywell ScanPal EDA57 mobile computer is a 5G enterprise-class mobile computer that provides fast and mass data interactions between frontline workers and backend business systems. Its lightweight and rugged design makes the EDA57 often ideal for retail, transportation & logistics, manufacturing and public service.



Android 12, 5 G technology, 5.5-inch Corning Gorilla Glass touchscreen, 4500 mAh battery, 8 GB/128 GB optional memory, Qualcomm Snapdragon octa-core 2.2 GHz processor, Wi-Fi 5, Bluetooth 5.1, one nano SIM, IP67.

5G Connectivity

The ScanPal EDA57 mobile computer offers the latest Qualcomm® Snapdragon™ octa-core 2.2 GHz processor with wireless connectivity through NFC, Wi-Fi 5, Bluetooth® 5.1 and 5G network communication. With seamless 5G connectivity, the ScanPal EDA57 provides reliability and ultra-low latency wireless connection between the device and backend networks. The ScanPal EDA57 device's premium performance makes your investment future-forward by being ready for smart logistics, immersive commerce, flexible manufacturing and collaborative workspaces applications.

High Efficiency and Productivity

Equipped with the powerful Honeywell S0703 scan engine, the ScanPal EDA57 enables snappy and effective barcode reading even of damaged and incomplete barcodes. Workers can receive accurate and up-to-date information that may help boost productivity when performing activities like order and inventory management.

FEATURES AND BENEFITS

Powerful hardware, platform based on the Qualcomm 4350 PRO octa-core processor, 8 GB/128 GB memory.

Large 5.5-inch full touch display screen. Lightweight and pocket-fitting IP67 design that can withstand rugged usage under tough field service environments.

Multiple fast connectivity options including WWAN (Nano**) Bluetooth 5.1, NFC, GMS, Wi-Fi 5 and 5G.

Removable 4500 mAh lithium-ion battery that can last for more than 12 hours of use.***

Easily scan barcodes, even damaged ones, with the enterprise-level S0703 imager. Document images with the 16 MP auto-focus camera and make video calls with the 8 MP front camera.

Honeywell

Rugged Design and Comfort
With the drop and tumble specification of up to 1.5 meters (5 ft) without rubber boots and IP67 sealing rating, the EDA57 can endure various harsh environmental conditions. A removeable 4500mAh battery allows for prolonged and uninterrupted use between each charge and supports Quick Charge™ 3.0 to ensure smooth shift handovers.

A prominent 5.5-inch Gorilla Glass® 5 touch screen interface and ergonomic industrial design may help improve the users' experience as its lightweight and slim design allows for users to easily operate the device with one hand, carry it in pockets and stay comfortable all day.

The 16-megapixel rear camera allows high-resolution image documentation and the 8-megapixel front camera greatly improves the video communication experience.

Backward Compatibility
For existing Honeywell mobile computer installed base users, the ScanPal EDA57 can be backward-compatible with most EDA52 accessories. This will further help protect existing investment and decrease cost of ownership.

Latest Operating System & Powerful Software Solution
Built on Android™ 12 and can be upgradable to Android 14*, may reduce maintenance concerns and offers long-term support. It fulfills an enterprise need for ease of use and management, security, privacy and reliability.

Honeywell Operational Intelligence provides actionable insights into critical areas such as mobility devices, printer usage and network connectivity. These insights can be turned into automated workflows that optimize workflow processes for greater productivity that may lead to reducing IT support costs.

The Smart Talk Unified Communications overcomes the problem of fragmented communications and empowers teams with enterprise-grade security for voice calling, text & media messaging and user presence – all from one device.



SCANPAL EDA57 Technical Specifications

MECHANICAL

Dimensions: 159 mm × 75 mm × 14.4 mm (6.26 in × 2.95 in × 0.57 in)

Weight: 260 g (9.17 oz)

Display Size: Gorilla Glass 5, 5.5-inch

Resolution: 1440 × 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

LED

Battery Status Indicator: red/green/blue

Scan Indication: red/green

Sensors****: acceleration sensor, light sensor and proximity sensor

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 1.5 m (5 ft) per MIL-STD 810G drops to concrete at room temperature

Multiple 1.8 m (6 ft) per MIL-STD 810G drops with rubber boot concrete at room temperature

Tumble: 1000 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 SM4350 Pro Kryo 460, 2xGold (A76 based) + 6xSilver (A55 based)

Memory: 8 GB RAM/128 GB Flash

Operating System: Android 12, and upgradeable to Android 14*

Storage Expansion: MicroSD (up to 128 GB)

Rear Camera: 16-megapixel color camera

Front Camera: 8-megapixel color camera

Interface Ports: 6-pin bottom connection

Battery: Li-Ion, 3.8 V, 4,500 mAh, removable

Real-Time Clock (RTC): 5 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)

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/v, 2X2 MU-MIMO

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: 850/900/1800/1900

UMTS: B1/B2/B4/B5/B6/B8/B19

LTE: B1/B2/B3/B4/B5/B7/B8/B19/B20/ B26/B28/B38/B40/B41/B66

5G NR: n1/n2/n3/n5/n7/n8/n20/n26/n28/ n38/n40/n41/n66/n77/n78/n79

NFC: Integrated Near Field Communication

GPS Supported Protocols: Simultaneous receiver support for GPS, AGPS, Beidou, GLONASS and Galileo

WARRANTY

One-year factory warranty

For more information about warranty, please visit www.honeywell.com/PSSwarranties

Localization & Language:
Worldwide English

ACCESSORIES

Single Charging Home Base: Charges one terminal and one replaceable battery simultaneously

Single Charging Dock: Charges one terminal (needs to work with adaptor cup)

Backwards Adapter Cup: Be compatible with EDA50/51 single charging dock

Quad Bay Charging Base: Charges four terminals simultaneously

Quad Bay Battery Charger

Standard Battery Pack

RFID Bracket

Scan Handle

Rubber Boot

Wrist Strap

Hand Strap

Screen Film

USBC Headset

Power Adapters

UNIVERSAL ACCESSORIES

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

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

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

USB Cup

Universal Cup: Compatible with CT4X universal docks

For a complete listing of all compliance approvals and certifications, please visit www.honeywell.com/PSScompliance

For a complete listing of all supported barcode symbologies, please visit www.honeywell.com/PSS-symbologies

*Android 14 is pending for the confirmation from Qualcomm & Google
**eSIM ready, can be added for large projects
*** Battery life depends on usage and other factors
**** Gyro sensor and E-compass ready, can be added for large projects

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