Honeywell
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Mobile Computers

ScanPal EDA50K

Enterprise Hybrid Device

A new addition to the Honeywell ScanPal™ EDA50 Series enterprise products, the EDA50K enterprise hybrid device is an Android™ device with broad suitability for a wide variety of applications. Featuring high-speed performance and smooth operation, it provides a quad-core 1.2 GHz processor and 2 GB RAM. Its excellent network connectivity supports many popular wide area networks, with Wi-Fi connectivity supporting 2.4 GHz and 5 GHz dual-band. Designed for left- or right-handed operation, with a curved, ergonomic hand grip, it reduces fatigue when held for long periods of time, and provides a more comfortable user experience.

In addition, the ScanPal EDA50K device provides enough battery life to last an entire workshift or longer. For optimized field operation, it features a 10.2 cm (4 in) touchscreen with a numeric keypad, which greatly improves input efficiency. The built-in area imager enables 1D and 2D barcode recognition and provides superior reading ability on stained or faded barcodes. With proven durability in harsh application environments, the ScanPal EDA50K device ensures that your investment is well protected.

The ScanPal EDA50K device is ideal for highly mobile front-line workers in scan-intensive environments, such as parcel pickup and delivery, inventory management, field sales, work order automation and proof of service – providing improved efficiency and reduced TCO for enterprise customers.



The ScanPal EDA50K enterprise hybrid device combines an ergonomic design with a large screen and two input modes – touchscreen or keypad – ensuring visibility and comfort without sacrificing pocketability.

FEATURES & BENEFITS

An industry-leading platform: Qualcomm® Snapdragon™ 410 processor with 1.2 GHz quad-core CPU enables fast access to business-critical applications.

A 10.2 cm (4 in) Corning Gorilla® capacitive touchscreen that is big enough to view applications on a single page, coupled with a numeric keypad that is portable enough to fit in your pocket.

With broader network coverage and a 4,000 mAh swappable battery, field workers and in-house operators can get connected anytime and anywhere.

Embedded Honeywell customized power tools greatly simplify device and network management.

ScanPal EDA50K devices can be easily connected to multiple devices, enabling support for more use cases and applications.

ScanPal EDA50K Technical Specifications

MECHANICAL

Dimension: 164 mm x 73 mm x 24.5 mm (6.5 in x 2.9 in x 1.0 in)
Weight: 300 g (10.6 oz) with battery
Display: 10.6 cm (4 in)
Resolution: WVGA 480 x 800
Type: Transmissive
Backlight: LED
Touchscreen: Multi-touch capacitive
Keyboard: 26-key numeric main keypad; side keys: volume up/down, right and left scan keys; soft keys: 3 touch keys (Back, Home, Menu)

ENVIRONMENTAL

Operating Temperature: -10°C to +50°C (14°F to 122°F)
Storage Temperature: -20°C to +60°C (-4°F to +148°F)
Humidity: 10% to 90% (non-condensing)
Drop: Multiple 1.2 m (4 ft) drops to concrete, 2 drops per 6 sides for a total of 12 drops under room temperature
Tumble: 200x 0.5 m tumbles
Electrostatic Discharge (ESD): ±8 kV direct; ±12 kV air
Environmental Sealing: IP54
Vibration: Vertical rms = 1.04 g, Transverse rms = 0.2 g, Longitudinal rms = 0.74 g

PERFORMANCE

Processor: Qualcomm 1.2 GHz quad-core
Memory: 2 GB RAM, 8 GB/16 GB Flash
Operating System: Android 7.1.1 with Google Mobile Services
Expansion Memory: MicroSDHC (up to 32 GB)
PC Communication: Micro USB 2.0
Battery: 4000 mAh @ 3.8 V
Camera: 5.0-megapixel color camera with autofocus and LED flash
GPS: GNSS Receiver for GPS, GLONASS and Compass (Beidou) (for WWAN only)
Button Batteries: 22 mF super-cap
Real-Time Clock: 10-min backup via super-cap
Charging Time: 4 hours
Battery Runtime: 12 hours+
Engine: 1D/2D: HI2D
LEDs:
- **Battery Condition:** Red/Green/Blue
- **Scan Indication:** Red/Green light

Vibration: Vibration Motor
Sensors: Proximity, Light, Acceleration

WIRELESS CONNECTIVITY

WLAN: IEEE 802.11 a/b/g/n radio, Wi-Fi certified 802.11 a/b/g/n (WPA, WPA2 and EAP)
WLAN Security: WEP, 802.1x, TKIP, AES, SCHAPv2 EAP-GTC, EAP-TLS, EAP-TTLS, WPA-PSK, WPA2
WWAN:
- **GSM & EDGE:** Band 3/8
- **WCDMA:** Band 1/8
- **FDD-LTE:** Band 1/3/7
- **TDD-LTE:** Band 38/39/40/41
- **Non-GCF certified**

Bluetooth: Bluetooth® Class 4.0
NFC: Integrated Near Field Communication

ACCESSORIES (STANDARD)

USB Communication Cable: Micro USB 2.0 (communicates to PC, supports adapter/ USB charging)
Wall Adapter

ACCESSORIES (OPTIONAL)

Hand Strap
Replacement Battery
Single Charging Cradle: for 1x terminal charging
Quad Battery Charger: for 4x batteries charging
USB Wall Adapter: 5V/2A

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.

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The Global Certification Forum (GCF) is an independent certification scheme for mobile phones and wireless devices that are based on 3GPP standards. For more information, please visit http://www.globalcertificationforum.org/

For more information

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