

Automation & Instrumentation Trading | Honeywell

Product Portfolio | Productivity Solutions: Mobile Computers

Honeywell delivers cutting-edge **mobility**, **scanning**, and **printing** technologies that streamline workflows and boost productivity across industries worldwide.

Key Highlights

- Boosts Workforce Efficiency
- Comprehensive Product Ecosystem
- Built for Harsh Environments
- Seamless Integration
- Enhanced Accuracy & Speed
- Trusted Global Adoption

See the brochures attached for full product information.

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CK3R

Mobile Computer

Optimize your operations into an efficient, automated and high-performing work environment with the CK3R, the mobile computer you can count on to keep your workers running productively at full speed to deliver enhanced workflow performance.

Thanks to a state-of-the-art, power-efficient design, the CK3R mobile computer delivers full-shift battery life – even when running scan- and network-intensive applications. With a purpose-built, slim and lightweight design, the CK3R mobile computer is comfortable and easy to use. And with CloneNGo – breakthrough Honeywell device provisioning technology – you can greatly simplify and expedite configuration and deployment of your CK3R mobile computers from a single master unit without requiring sophisticated IT support.

Scanning operations are quick and accurate, with integrated, high-performance area imaging technology pioneered by Honeywell. Support for omnidirectional scanning and high motion tolerance means your 1D and 2D barcodes can scan correctly the first time, at most angles, even if the code itself is not perfect.

The CK3R mobile computer is also designed to stand up to the rigors of everyday use with a rugged, laser-etched keypad, a 1.2 meter (4 foot) drop rating to concrete (across all operating temperatures) and an IP54 seal rating against rain, moisture and dust.

Running Microsoft® Windows® Embedded Handheld 6.5, the CK3R mobile computer supports a wide range of enterprise software applications. And the optional Honeywell Enterprise Client Pack, which includes full Terminal Emulation and a lock-down web browser supporting emerging industry standards like HTML5, provides a consistent user interface



Easy to use and implement, the CK3R mobile computer helps capture all of the benefits of automation with a power-efficient design and quick and accurate scanning.

and common menu structure to ensure that workflow is directed and web access is limited.

Achieving workflow automation has never been easier. The CK3R mobile computer can be combined with Honeywell printers, scanners and service for a proven enterprise business solution to automate your data collection tasks without introducing IT complexity. Put the CK3R mobile computer to work and unlock the full potential of your operations.

FEATURES & BENEFITS



Integrated, high motion tolerance 2D area imager supports high-performance, omnidirectional scanning of 1D and 2D barcodes that's quick and accurate.



Withstands multiple 1.2 m (4 ft) drops to concrete across all operating temperatures; IP54 seal rating against rain, moisture and dust; rugged, laser-etched keypad.



Supports industry-standard 802.11 b/g/n and Bluetooth® wireless technology radio for adaptable communications.



Industry-leading battery performance will last a full shift and beyond – no more interruptions to replace or recharge batteries.



Equipped with a power-efficient 1 GHz multi-engine Texas Instruments processor, 256 MB RAM and 512 MB Flash.

CK3R Technical Specifications

PHYSICAL CHARACTERISTICS

L x W x D: 21.6 cm x 8.3 cm x 2.8 cm
(8.53 in x 3.29 in x 1.12 in)

Weight: 401 g (14.1 oz) with 2000 mAh battery

Width: Grip Area: 6.1 cm (2.4 in)

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature: -10°C to +50°C
(+14°F to +122°F)

Storage Temperature: -20°C to +70°C
(-4°F to +158°F)

Charging Temperature: +5°C to +35°C
(+41°F to +95°F)

Relative Humidity: Non-condensing, 95%

Rain & Dust Resistance: IP54, category 1

Drop Specification: Multiple 1.5 m (5 ft) drops to concrete at ambient; multiple 1.2 m (4 ft) drops to concrete across the operating temperature range per MIL-STD 810G

Tumble Specification: 1,000 (0.5 m) tumbles per IEC 60068-2-32 specification

Electrostatic Discharge: +/-15 kV air discharge, +/-8 kV direct discharge

SYSTEM ARCHITECTURE AND PERFORMANCE CHARACTERISTICS

Texas Instruments 1 GHz multi-engine processor architecture

OPERATING SYSTEM

Microsoft Windows Embedded Handheld built on Windows 6.5.3 technology with Honeywell HTML5 Browser. Available via download at the Honeywell Developer Library.

MEMORY AND STORAGE

Memory: 256 MB RAM

ROM: 512 MB

Customer-accessible micro SD slot for removable memory cards up to 32 GB

DISPLAY

- 8.9 cm (3.5 in) Transmissive QVGA
- 240 x 320 pixels
- 65,536 (16-bit RGB) colors
- High-durability touch screen
- LED backlight
- Ambient light sensor

KEYPAD OPTIONS

Both keypad options feature backlit hard keycaps with laser-etched legends; backlit automatically controlled via ambient light sensor.



Numeric with function keys



Alphanumeric

INTEGRATED SCANNER OPTIONS

EA31 high-performance motion-tolerant 2D imager; (up to 400 in/s) white LED illumination. Capable of scanning all common 1D and 2D barcodes; 1D as small as 4 mils; 2D as small as 6.6 mils. Refer to User's Manual for depth-of-field performance.

STANDARD COMMUNICATIONS

USB – Full Speed 2.0 OTG, USB
– Full Speed 2.0 Client

POWER

Battery Pack: Removable, rechargeable

Included: User removable, rechargeable Lithium-Ion; 3.7V, 2000 mAh (7.4 watt-hours)

Optional: Removable, rechargeable Lithium-Ion; 3.7V, 5100 mAh (18.5 watt-hours)

Optional: Removable, rechargeable Lithium-Ion; 3.7V, 5200 mAh (18.5 watt-hours) Smart Pack

WIRELESS COMMUNICATIONS

Wireless LAN: IEEE 802.11 b/g/n WLAN

Security: Wi-Fi Certified for WPA and WPA2

Authentication: 802.1x

Cisco Compatibility: CCXv4

Encryption: WEP (64- or 128-bit), AES, TKIP

Bluetooth: Integrated Bluetooth Class II, Version 2.1+EDR

Operating Channels: 0 to 78 (2402–2480 MHz)

Data Rates: 1, 2, 3 Mbps

Antenna: Internal

SOFTWARE APPLICATIONS AND COMPONENT

Device Management: Honeywell SmartSystems™ Foundation provides a single, integrated environment for hands-free deployment and management of devices on-site or remote. Also compatible with leading third-

party data and device management products.

ScanNGo for easy barcode-based enterprise-wide device provisioning. It can be used to download device management software from Honeywell ISVs.

CloneNGo, a peer-to-peer device management software that enables simple device cloning, eliminating the need to use a management console for device provisioning.

Device Health Monitoring: On-board monitoring of key subsystems including scanning, communications and battery life; remote access requires SmartSystems management option.

APPLICATION

Development: Honeywell Developer Library

Development Environments: Microsoft Visual Studio®; .NET Compact Framework; JVM

In-Premise Clients: Optional factory pre-loaded Enterprise Client Pack (Honeywell Terminal Emulator + Honeywell Browser)

Web Browsing: Honeywell Browser, Honeywell HTML5 Browser (includes Windows Internet Explorer)

Device Lockdown: Honeywell Launcher

HONEYWELL GLOBAL SERVICES SUPPORT

Contact for Support:

www.hsmcontactsupport.com

Public Knowledgebase Articles:

www.hsmknowledgebase.com

Telephone support available in North America (800-782-4263). Outside of this area, contact your local representative.

ACCESSORIES

Supports most CK3 mobile computer charging and docking accessories as well as FlexDock modular docking system, vehicle dock and holder, snap-on adaptors and removable scan handle.

REGULATORY APPROVALS AND COMPLIANCE

1007CP01 (CK3R)

Safety: cULus Listed, DEMKO, BSMI

EMC: Class B – FCC/ICES/EN, EAC, CE, CCC, RCM (AU/NZ)

Radio: FCC, Industry Canada, NCC, OFCA, IDA, ICASA, POSTEL, NTC, KC (Korea), ETA, ANATEL, 61 countries in total

Environmental: EU Directives-WEEE; RoHS; Batteries & Accumulators; Packaging & Waste Packaging

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.

SmartSystems is a trademark or registered trademark of Honeywell International Inc. in the United States and/or other countries. Microsoft, Visual Studio and Windows are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Bluetooth is a trademark or registered trademark of Bluetooth SG, Inc. in the United States and/or other countries.

For more information

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CK67

Ultra-Rugged 5G Mobile Device

The CK67 mobile computers are ultra-rugged for the most demanding warehouse and DC environments and are designed to maximize productivity on the different workflows in the field.

The CK67 is enhanced for performance and ergonomics with a superior rugged design for any environment and is optimally balanced with durability and functionality in mind to keep business workflows moving and operations flowing. Combined with powerful software including Operational Intelligence, Smart Talk communications, and more, the CK67 is the ideal choice for users in DC and warehouse.

Mobility Edge, a Durable, Stable, Secure Platform

Built on the newest generation of the Mobility Edge™ platform, a durable, stable, secure foundation for effective, long-lasting solutions, the CK67 delivers the lifecycle, security and durability required by serious businesses. The CK67 harnesses the latest Qualcomm 4490 processor and future-proofed memory technology for high performance with compatible support from Android 14 through 18. Combined with the powerful, cloud-based, Operational Intelligence asset optimization solution, IT leaders can empower operations with critical analytics to enable higher productivity and low TCO, all with a user experience that keeps front-line workers productive and engaged.

Durable and Reliable

The CK67 is designed to endure the most challenging environments in warehouses and DCs. Warehouses are as busy as ever and operators need to keep their workflows running efficiently with maximum uptime. Users in warehouses can rely on the CK67, withstanding up to 8ft drops across operating temperatures and 4,000 1.0m tumbles. Users can be confident with the intense durability testing the CK67 undergoes before release, that it will solidify and keep operations and is the ultimate long-term investment.



Fig 1: CK67 Ultra-rugged 5G mobile computer on the Mobility Edge™ platform

FEATURES AND BENEFITS



The Mobility Edge platform is a durable, stable and secure foundation for effective, long-lasting solutions, providing optimized performance and accelerated deployments in the field.



The ultra-rugged design on the CK67 makes it the optimal choice for the demanding environments for workers in DC and Warehouses, with one of the best in class drop and tumble ratings.



The CK67 comes with the latest 5G and Wi-Fi 6E technology to stay connected, including CBRS and private networks. 5G offers the highest bandwidth and lowest latency available, to provide a better experience on data intensive applications.



Quick and accurate data capture from 3 inches (8 centimeters) up to 80 feet (24 meters) with Honeywell's innovative FlexRange™ XLR scan engine; supporting virtually every use case



The CK67 is designed with the users in mind. With updated keypads, scan handle, and balance, the CK67 is primed for the best user experience in a warehouse device.

Modern Processor and Solid Connectivity

With the latest octa-core processor loaded with Qualcomm AI engine and graphics processing, the CK67 has enough processing power to handle all traditional applications and stands ready to handle new, demanding applications that our customers are developing to deploy for their workflows.

The CK67 has the latest 5G and Wi-Fi 6E chipset technology to stay connected in both indoor and outdoor environments. With the latest 5G release, CK67 offers the highest bandwidth, versatility and lowest latency available for warehouse and DC workers to always stay connected. Whether you are on a private 5G or CBRS network, or a Wi-Fi 6E environment, your workers can continue their workflows with the most reliable uptime

Focus on Ergonomics

The CK67 comes in an updated form factor, with a sleek modern design, a larger screen, and a more ergonomic scan handle to satisfy most users and applications. The keypads have updated buttons for responsiveness and better spacing, for an enhanced user experience. And the balance of the CK67 has been optimized to feel light in the hands of the users. The CK67 is a significant advance in a mobility device to enhance the user satisfaction.

FlexRange™ XLR Scan Engine

Armed with the latest FlexRange™ XLR scan engine, the CK67 provides high-powered scanning performance for the industrial warehouse workers and those that demand the farthest scanning technology. The ultimate in flexibility, FlexRange™ XLR enables virtually every scanning use case in a single, device without compromising range or speed, enabling businesses to improve uptime

Powerful Enterprise Software

The CK67 is compatible with powerful analytics software, the Operational Intelligence suite of solutions delivers deep operational insights, enables workflow automation that prevents issues before they happen and helps manage issues in real time to greatly reduce 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 and media messaging, and user presence – all from one device

Accessory Ecosystem

The CK67 arrives with a complete set of accessories, most which are backwards compatible, including Universal charge bases, which are adaptable for any Honeywell mobile computer form factor through the use of easily swappable cups. Other accessories include scan handles, vehicle docks, holsters, a protective boot for added ruggedness, and spare batteries.

CK67 Ultra-Rugged 5G Mobile Device Technical Specifications

MECHANICAL

Dimensions: 23.2 cm x 8.4 cm x 4.6 cm;
9.1in x 3.3in x 1.8in

Weight: 516g (including battery)

Display Size: 10.9 cm (4.3 in)

Resolution: 800 x 480

Touch Panel: Rugged multi-touch capacitive touch panel, optically bonded for extra durability and better sunlight viewability. Automatic detection and configuration utilizing mutual and selfcapacitance modes for water rejection and use with many off-the-shelf gloves. Covered with Gorilla Glass 7 for increased resistance to drops.

Backlight: LED

Key pad: 51 or 53-key alpha numeric, 38 or 42-key numeric function, or 30-key large numeric keypads, plus two programmable side buttons

Audio: Speaker, microphone support with noise cancellation. PTT support and Bluetooth® wireless headset support

I/O Ports: Durable, custom IO connector, USB Type C connector. USB OTG supported via I/O ports. USB 2.0 is supported via USB Type C.

Universal Dock Platform: Compatible
USB 2.0 is supported via USB Type C

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 95% (non-condensing)

Drop (Multiple): 8ft MilSpec drop across temp (-20C to 50C)

10ft MilSpec drop ambient temperature
10ft MilSpec drop across temperature
(-20C to 50C) with Boot.

Tumble: Exceeds 4000 1.0m (3.28 ft) tumbles per IEC 60068-2-32 specification

ESD: ±15 kV Air and ±8 kV Direct

Environmental Sealing: Independently certified to meet IP65 and IP68 standards for moisture and particle intrusion

SYSTEM ARCHITECTURE

Processor: Qualcomm QCS4490/
QCM4490 octa-core

Operating System: Each Android version guaranteed from Android 14 to 18.

Memory: 8GB DDR5 RAM, 128GB UFS Flash.

Camera: 13-megapixel rear camera, 8-megapixel front-facing camera

Sensors: Ambient light sensor, Proximity sensor, Accelerometer, Gyroscope, Magnetometer, eCompass, Hall sensor

Storage Expansion: User-accessible microSD card up to 2 TB (SDXC/SDHC/SDIO-compliant)

SIM: 1 eSIM and 1 nano SIM

Battery: Li-Ion, 7000mAh. Smart battery with integrated diagnostics tools

Battery Hot Swap: Yes

Charging: Fastest available charge time is via USB-C 2.0.

Decode Capabilities: Honeywell FlexRange™, Honeywell FlexRange™ XLR, Honeywell S0703 (1D/2D barcode symbologies), Honeywell SDKs for Android, DPM supported via license

Application Software: Honeywell Mobility Edge Utilities and Demos

WIRELESS CONNECTIVITY

WWAN: WWAN Radio

Global bands support, device certified by GCF-PTCRP, ATT, TMO, VZW

AT&T FirstNet Compliant

LTE Advanced Support

Up to 390 Mbps CAT13 LTE downlink Up to 75 Mbps CAT5 LTE uplink

4G-LTE DL Cat-18, ~800 Mbps

4G-LTE UL Cat-18, ~200 Mbps

5G NSA – DL: ~2500 Mbps, UL: ~1050 Mbps

5G SA – DL: ~2300 Mbps, UL: ~1050 Mbps

5G FR1: Bands 1, 2, 3, 5, 7, 8, 12, 13, 14, 20, 25, 26, 28, 29, 30, 38, 40, 41, 48, 66, 71, 77, 78, 79

LTE: Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 42, 43, 48, 66, 71

4X4 MIMO supported

5G : n2, n7, n25, n30, n38, n41, n48, n66, n77, n78, n79

4G : B2, B4, B7, B25, B30, B38, B41, B42, B43, B48, B66

WLAN: Wi-Fi certified; Wi-Fi™ 6E certified

IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax, 2x2 MU-MIMO; Triband(2.4GHz, 5GHz, 6GHz)

Wi-Fi™ 6E (801.11ax); Dual Band Simultaneous(DBS); IPv4, IPv6

Data Rates: 2.4GHz:802.11b/g/ax- 20MHz -upto 286.8 Mbps; 5GHz: 802.11n/ac/ax- 20MHz, 40MHz, 80MHz, 160MHz upto 2402Mbps; 802.11ax- 20MHz, 40MHz, 80MHz, 160Mhz-upto 2402 Mbps.

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

Supported EAP: TLS, PEAP, TTLS, PWD, LEAP, CCX compatible

Bluetooth: V5.3 Bluetooth and BLE

2nd BLE: Available on all SKUs. Bluetooth profiles includes HFP, PBAP, A2DP, AVRCP, OPP, SPP, RATT

NFC: Integrated NFC reader, compliant with ISO/IEC 14443 A, ISO/IEC 14443 B, ISO/IEC 15693 (iCode), MIFARE 1K / 4K, MIFARE DESFire, Sony FeliCa, ISO/IEC 18092 (Type F), Contactless payment support.

VPN: IPSec V4/L2TP, PPTP

Push to Talk (PTT): Supported

GPS Supported Protocols: GPS, GLONASS, Galileo, Beidou, NAVIC, QZSS.

Dual-Band GNSS – concurrent L1/G1/ E1/B1 (GPS/QZSS, GLONASS, Galileo, BeiDou) + L5/E5a/B2a (GPS/QZSS, Galileo, BeiDou);

a-GPS, Supports XTRA, SBAS.

Warranty

One-year limited factory warrant

*Specifications are subject to change without notice

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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All other trademarks are the property of their respective owners.



For S0703/ N6803 / S0803 ENGINE



For S0803FR ENGINE

CT47

Ultra-Rugged Mobile Computer

CT47 mobile computers are ultra-rugged, all-purpose hand-held devices, providing reliable performance, 5G data connectivity and communications for frontline mobile workers in warehouse, logistics and fieldwork.

The CT47 is enhanced for performance with a superior rugged design for any environment and is optimally balanced with durability and functionality in mind to keep business workflows moving and operations flowing. Combined with powerful software including Operational Intelligence, Smart Talk communications, Smart Pay, and more, the CT47 is the ideal choice for users in transport & logistics and warehouse.



The CT47: Ultra-rugged 5G mobile computer on the Mobility Edge™ platform

Mobility Edge™, a Durable, Stable, Secure Platform

Built on the Mobility Edge platform, a durable, stable, secure foundation for effective, long-lasting solutions, the CT47 delivers the lifecycle, security and durability required by serious businesses. CT47 harnesses the latest processor and memory technology for high performance with planned support through Android 16. Combined with the powerful, cloud-based, Operational Intelligence asset optimization solution, IT leaders can empower operations with critical analytics to enable higher productivity and low TCO, all with a user experience that keeps frontline workers productive and engaged.

Durable and Reliable

The CT47 is designed to endure the most challenging environments. Transport and logistics and warehouses are as busy as ever and customers need to keep their operations and workflows up and running. Workers in the field and warehouse can rely on the ultra-rugged design, the CT47 can withstand up to 8ft drops and over 3,500 real-world tumbles. The new enhanced extended and wireless battery options keep the CT47 online throughout the demanding shifts. Built upon a sleek form factor, the CT47 is optimally designed with screen visibility and ruggedness in mind.

FEATURES AND BENEFITS



The Mobility Edge platform is a durable, stable and secure foundation for effective, long-lasting solutions, providing optimized performance and accelerated deployments in the field.



The ultra-rugged design on the CT47 makes it the optimal choice for the demanding environments for workers in Transport & Logistics and Warehouses, with one of the best in class drop and tumble ratings.



The CT47 comes with the latest 5G and Wi-Fi 6E technology to stay connected, including CBRS and private networks. 5G offers the highest bandwidth and lowest latency available, to provide a better experience on data intensive applications.



Quick and accurate data capture from 3 inches (8 centimeters) up to 80 feet (24 meters) with Honeywell's innovative FlexRange XLR scan engine; supporting virtually every use case.



Outfitted with Multi-factor Biometric Authentication, the CT47 keeps user and company data secure. Registration is quick, data is encrypted, and operations can keep moving securely.

Honeywell

Modern Processor and Solid Connectivity

With the latest octa-core processor loaded with Qualcomm 6th gen AI engine and graphics processing, the CT47 has sufficient processing power to handle all traditional applications and stands ready to handle new, demanding applications that our customers are developing to deploy for their workflows.

The CT47 also comes with the latest 5G and Wi-Fi 6E technology to stay connected in both indoor and outdoor environments. 5G offers the highest bandwidth and lowest latency available for transport and delivery workers, and within a warehouse to always stay connected. Whether you are on a private 5G or CBRS network, or a Wi-Fi 6E environment, your workers can continue their workflows with reliable uptime.

Ultimate Security

Fitted with flexible and customizable Multi-Factor Authentication technology, the CT47 keeps your data and mobile computer safe and secure. The fingerprint sensor is ideal for one-handed operation and easy to access biometric authentication. Multiple templates can be stored locally for multiple user login access. Facial recognition can be accessed from the front-facing camera to access the device quickly and securely. Registration is quick and user data is encrypted and stored locally.

FlexRange™ XLR Scan Engine

Armed with the latest FlexRange XLR scan engine, the CT47 provides high-powered scanning performance for the industrial warehouse workers and those that demand the farthest scanning technology. The ultimate in flexibility, FlexRange XLR enables virtually every scanning use case in a single, compact device without compromising range or speed, enabling businesses to focus on fewer device types to manage.

Powerful Enterprise Software

CT47 is compatible with software for retail, warehouse, distribution center, manufacturing and last-mile delivery applications.

Operational Intelligence suite of solutions delivers deep operational insights, enables workflow automation that prevents issues before they happen and helps manage issues in real time to greatly reduce IT support costs.

Smart Talk Unified Communications overcomes 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.

Honeywell SmartPay solution enables transport & logistic businesses with delivery and pickup operations to process secure, PCI-compliant payments, including simple tap-to-pay and pin-on-glass without bulky hardware add-ons.

Accessory Ecosystem

The CT47 arrives with a complete set of accessories, including Universal charge bases, which are adaptable for any Honeywell mobile computer form factor through the use of easily swappable cups. Other accessories include scan handles, vehicle docks, holsters, a protective boot for added ruggedness, an IH45 RFID handle, and spare extended and wireless batteries.

CT47 Mobile Computer Technical Specifications

MECHANICAL

Dimensions: 170 mm x 79 mm x 19.2 mm (6.69 in x 3.11 in x 0.75 in) with standard battery pack; 170 mm x 79 mm x 22.6 mm (6.69 in x 3.11 in x 0.89 in) with extended battery pack

Weight: 314g (11.1oz) with standard battery pack; 358g (12.6oz) with extended battery pack

Display Size: 13.97 cm (5.5 in)

Resolution: Full High-Definition (2160 x 1080)

Touch Panel: Rugged multi-touch capacitive touch panel, Glove, stylus and rain modes supported. Water droplet rejection with screen protector mode. Covered with Gorilla Glass 5 for increased resistance to drops.

Backlight: LED

Hard keys: Volume up/down key, left/right scan, power button, Push to Talk button

Audio: PTT, VoIP ready, speaker, HAC-compliant, three microphones with noise cancellation.

I/O Ports: Durable, flat IO connector, USB Type C connector. USB OTG supported via I/O ports. USB 3.1 is supported via USB Type C.

Universal Dock Platform: Compatible

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 95% (non-condensing)

Drop (Multiple): 3.0m (10ft) to concrete at room temperature per MIL-STD 810H booted; 2.4m (8 ft) to concrete at -20°C to 50°C (14°F to 122°F) per MIL-STD 810H booted; 2.4m (8ft) to concrete at room temperature per MIL-STD 810H, 1.8m (6ft) to concrete at -20°C to 50°C (14°F to 122°F) per MIL-STD 810H

Tumble: Exceeds 3500 0.5 m (1.64 ft) tumbles and 2000 1.0m (3.28 ft) tumbles per IEC 60068-2-32 specification

ESD: ±15 kV Air and ±8 kV Direct

Environmental Sealing: Independently certified to meet IP65 and IP68 standards for moisture and particle intrusion

SYSTEM ARCHITECTURE

Processor: Qualcomm QCS6490/QCM6490 octa-core, 2.7GHz

Operating System: Each Android version planned from Android 12 to 16

Memory: 6GB DDR4x RAM, 128GB UFS Flash; 8GB DDR4x RAM, 128GB UFS Flash

Camera: 13-megapixel rear camera, 8-megapixel front-facing camera

Sensors: Ambient light sensor, Proximity sensor, Accelerometer, Gyroscope, Magnetometer, Barometer, eCompass, Hall sensor, High-G sensor

Storage Expansion: User-accessible microSD card up to 2 TB (SDXC/SDHC/SDIO-compliant)

SIM: 1 eSIM and 1 nano SIM

Battery: 4775mAh standard battery, 4680mAh wireless battery, 7692mAh extended battery. Smart battery with integrated diagnostics tools

Battery Warm Swap: Yes

Charging: Quick Charge 3.0 compliant;

Decode Capabilities: Honeywell FlexRange™ XLR, Honeywell FlexRange S0803, Honeywell S0703 (1D/2D barcode symbologies), Honeywell SDKs for Android, SmartOCR, DPM supported via license

Application Software: Honeywell Mobility Edge Utilities and Demos

DATA SECURITY

FIPS 140-2 Level 1 Validated Data in Motion (Model dependent)

WIRELESS CONNECTIVITY

WWAN: Global band support, device certified with GCF-PTCRB, ATT, TMO, VZW AT&T FirstNet Compliant

LTE Advanced Support

Up to 390 Mbps CAT13 LTE downlink

Up to 75 Mbps CAT5 LTE uplink

4G-LTE DL CAT18: ~1200 Mbps

4G-LTE UL CAT18: ~211 Mbps

5G NSA-DL: ~2400 Mbps, UL: ~1200 Mbps

5G SA-DL: ~2200 Mbps, UL: ~1000 Mbps

4G LTE: DL CAT18, ~1200 Mbps

4G LTE: UL CAT18, ~211 Mbps

5G FR1: Bands 1, 2, 3, 5, 7, 8, 12, 14, 20, 25, 28, 30, 38, 40, 41, 48, 66, 71, 77, 78, 79

LTE: Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40, 41, 42, 43, 48, 66, 71

UMTS/HSPA+ (3G): Bands 1, 2, 4, 5, 6, 8, 19

GSM: 850, 900, 1800, 1900 (Quad Bands)

4X4: Download MIMO supported on bands below:

5G: n7, n38, n41, n48, n77, n78, n79

4G: B7, B41, B42, B43, B48

PRIVATE NETWORK SUPPORT

WLAN: Wi-Fi certified; Wi-Fi 6E certified IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax, 2x2 MU-MIMO;

Wi-Fi 6E (801.11ax); Dual Band Simultaneous(DBS); IPv4, IPv6

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

Supported EAP: TLS, PEAP, TTLS, PWD, LEAP, CCX compatible

Bluetooth: V5.2 Bluetooth and BLE

2nd BLE: Available on all SKUs. Bluetooth profiles includes HFP, PBAP, A2DP, AVRCP, OPP, SPP, RATT

NFC: Integrated NFC reader, compliant with ISO/IEC 14443 A, ISO/IEC 14443 B, ISO/IEC 15693 (iCode), MIFARE 1K / 4K, MIFARE DESFire, Sony FeliCa, ISO/IEC 18092 (Type F), Contactless payment support, P2P mode.

VPN: IPsec V4/L2TP, PPTP

Push to Talk (PTT): Supported

GPS Supported Protocols: GPS, GLONASS, Galileo, Beidou, NAVIC, QZSS.

Dual-Band GNSS — concurrent L1/G1/E1/B1 (GPS/QZSS, GLONASS, Galileo, BeiDou) + L5/E5a/B2a (GPS/QZSS, Galileo, BeiDou); a-GPS, Supports XTRA, SBAS.

ADDITIONAL CERTIFICATIONS AND APPROVALS

US/Canada:

Class 1 Div 2, Groups A, B, C, and D

Class 2 Div 2, Groups F, G

Class 3

T5, -20°C < Tamb < 50°C (-4°F to 122°F)

ATEX:

Ex II 3G Ex ic op is IIC T5 Gc IP64

Ex II 3D Ex ic op is IIIB T135°C Dc IP64,
-20°C < Tamb < 50°C

IEC Ex:

Ex ic op is IIC T4 Gc IP64

Ex ic op is IIIB T135°C Dc IP64

-20°C < Tamb < 50°C

WARRANTY

One-year factory warrant

*Specifications are subject to change without notice

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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For more information

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SCANPAL EDA61K

Enterprise Mobile Computer

The Honeywell ScanPal™ EDA61K enterprise mobile computer is designed for small and medium businesses to conduct mission-critical workflows in light-duty warehouse, distribution center and retail applications.

The ScanPal EDA61K is a rugged, keyed mobile computer that helps businesses automate and error-proof workflows in indoor or outdoor warehouses, distribution centers and retail backrooms. With a battery that lasts for two to three shifts and a lightweight, ergonomically balanced design that minimizes user fatigue, the EDA61K helps keep material flowing smoothly all day long, even during peak seasons.

Available with both 34-key numeric and 47-key alpha-numeric keypad options, and a choice of scan engines that read from a few centimeters to up to 15 meters (49.2 feet), the EDA61K is available in configurations suitable for most applications. The EDA61K comes with 4G LTE cellular support in many countries, making it possible to eliminate Wi-Fi infrastructure in some cases.

The EDA61K complies with Android™ Enterprise Recommended (AER) requirements and incorporates a powerful Qualcomm® processor that can be upgraded to Android 10. Combined with a rugged package that survives repeated 1.5-meter (4.9 ft) drops to concrete, this means you can be confident that the EDA61K will deliver reliable, secure, compatible performance for years, maximizing return on investment.

In addition to traditional keypads, the EDA61K is available with pre-licensed StayLinked SmartTE software and a sensitive, 4-inch touchscreen that make it suitable for new workforces more accustomed to touchscreens, reducing training and adoption time – a key advantage for enterprises employing temporary workers during peak seasons.



The ScanPal EDA61K enables small and medium businesses to profit from global e-commerce by ensuring the reliable flow of inventory, even in the face of seasonal fluctuation, unpredictable surge demand and a rapidly changing workforce.

FEATURES AND BENEFITS



Responsive performance and quick access to business-critical information with the speedy Qualcomm 1.8 GHz octa-core chipset, ample memory and reliable Wi-Fi.



Snappy, accurate data capture from a few centimeters to up to 15 meters (49.2 feet) with Honeywell's slim N6703 and long-range EX20 scan imagers, and a 13-megapixel, autofocus camera.



Uninterrupted operation for more than two full shifts with Honeywell's 7,000 mAh, hot-swappable, lithium-ion smart battery pack that lasts 25 hours on a single charge.



Stay connected with fast, dual-band, 802.11 a/b/g/n/ac Wi-Fi, Bluetooth® 4.2 and cellular support in most countries.

Honeywell

EDA61K Technical Specifications

MECHANICAL

Dimensions: 206 mm x 78 mm x 41.9 mm
(8.1 in x 3.1 in x 1.6 in)

Weight:

N6703 version: 435 g (15.3 oz)

EX20 version: 460 g (16.2 oz)

Display Size: 4 inch

Backlight: LED

Touch Screen: Multi-touch capacitive

Hard Keys: Volume up/down, left/right scan, power, reset

I/O: USB type C, OTG supported

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: 10% to 90% (non-condensing)

Drop: Multiple 1.5 m (5 ft) drops to concrete at room temperature

Tumble: 1,000 tumbles at 1 m (3.3 ft)

ESD: ±8 kV direct; ±12 kV air

Environmental Sealing: IP65

Vibration: Vertical rms = 1.04 g;

Transverse rms = 0.2 g; Longitudinal rms = 0.74 g

SYSTEM ARCHITECTURE

Processor: Qualcomm SDM450 1.8 GHz octa-core

Memory: 3 GB RAM, 32 GB Flash

Operating System: Android 9

Default Languages: World Wide English

Storage Expansion: microSDHC (up to 128 GB)

Battery: Li-Ion, 3.6V, 7,000 mAh

Button Batteries: 22 mF super cap

Real-Time Clock: 10 min backup via super cap

Charging Time: 5.5 hours

Battery Runtime: 25 hours (test profile: scan once every 9 seconds; display at 50% brightness; turn off keypad backlight and activate Wi-Fi only)

Scan Notification: Red/Green light

Scan Engine: EX20, N6703SR

Camera*: 13.0-megapixel color camera with autofocus and LED flash

Battery Condition: Red/Green/Blue

WARRANTY

One-year factory warranty

WIRELESS CONNECTIVITY

WLAN: IEEE 802.11 a/b/g/n/r/ac radio

WWAN:

GSM&EDGE: Band2/Band3/Band5/Band8

WCDMA: Band1/Band2/Band4/Band5/Band6/Band8/Band9/Band19

CDMA: BC0/BC1/BC6

FDD-LTE: Band1/Band2/Band3/Band4/Band5/Band7/Band8/Band9/Band12/Band13/Band17/Band19/Band20/Band25/Band26/Band28/Band30

TDD-LTE: Band38/Band39/Band40/Band41

Integrated GPS

Bluetooth Class 4.2

ACCESSORIES

Single Charging Cradle

Hand Strap

Replacement Battery

Quad Battery Charger

Scan Handle

USB Communication Cable: USB type C, OTG supported

USB Wall adaptor: 5V/2A

* Note: Camera is available on N6703 version only.

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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For more information

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Honeywell

SCANPAL™ EDA52

6 PIN Mobile Computer

The Honeywell ScanPal™ EDA52 is an enterprise-class mobile computer that provides reliable and secure connectivity between frontline workers and back-end business systems. It is designed for use in retail, transportation & logistics, manufacturing, healthcare, and public service applications.

The ScanPal EDA52 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-Fi 5, Bluetooth 5.1 and 4G LTE 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 eSIM 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.



Android 11, 5.5-inch Corning Gorilla Glass touchscreen, 4500mAh battery, 4/64GB memory, Qualcomm Snapdragon octa-core 2.0GHz processor, Wi-Fi 5, Bluetooth 5.1, 4G LTE connectivity, one nano SIM plus one eSIM, IP67.

The EDA52 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.

The EDA52 can be easily paired with Honeywell's IH25/IH40 RFID reader. Users can quickly capture large volume of RFID information in applications such as retail and warehouse inventory tracking.

For existing Honeywell mobile computer users, the EDA52 can be backward-compatible with a broad range of Honeywell accessories, including the ScanPal EDA51 single charging dock, Mobility Edge™ CT4X net base, ethernet base and display dock, by adding an adapter cup or an universal cup. This will further help our existing customers reduce their total cost of ownership (TCO).

FEATURES AND BENEFITS



Powerful hardware platform based on the Qualcomm SM6115 octa-core processor, 4GB/64GB memory to handle different workloads.



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 connections by WWAN (Nano and eSIM) or WLAN, Bluetooth 5.1, NFC, GMS and 4G LTE.



Removable 4500 mAh lithium-ion battery that can last for more than 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.

Honeywell

SCANPAL EDA52 6PIN Technical Specifications

MECHANICAL

Dimensions:

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

Weight:

257g

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

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

Interface Ports: 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

Scan Engine: Honeywell S0703 Slim Imager (1D/2D barcode symbologies)

For more information

sps.honeywell.com

Honeywell Safety and Productivity Solutions

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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 Alliance certified):

IEEE 802.11 a/b/g/n/ac

Additional WLAN Features:

802.11 d/e/h/i/k/ r/u/w /v ,
1X1 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/EDGE: Bands 2, 3, 5, 8

UMTS/HSPA+: Bands 1, 2, 4, 5, 6, 8, 9, 19

FDD-LTE: Bands 1, 2, 3, 4, 5, 7, 8, 9, 12,13,17,19,20,25,26,28,30,66

TDD-LTE: Bands 38, 39, 40, 41

NFC: Integrated Near Field Communication

GPS (WWAN only) Supported Protocols:

Simultaneous receiver support for GPS, GLONASS, and BeiDou

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 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>

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/>*

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EDA52 6PIN Datasheet LTR | Rev B | 01/24
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