

# PC43K KIOSK SOLUTION



All-in-one, fully integrated kiosk solution

The PC43K all-in-one kiosk solution includes a tablet, printer, scanner and software from a single vendor, making it extremely easy to use and develop custom applications to fit any business model.

The PC43K comes with an integrated scan engine, ScanPal™ EDA71 tablet on an articulating arm, PC43 direct thermal printer, I/O board and wall/desk mount to ensure that it is ready for direct consumer operations.

The ScanPal EDA71 tablet is loaded with the world's most advanced and widely adopted mobile operating system, Android™ 8. The Android operating system is the most flexible platform for any ISV or mobile application developer to customize and develop applications that fit any business model. This enables our customers to easily configure and develop custom applications to take full advantage of the PC43K solution.

Security is a key element of the PC43K solution. The PC43K comes with Android security patch and beyond via Sentinel security patch support from Honeywell, keeping all your business sensitive information secure.

With native support for comprehensive printer command languages, the PC43 direct thermal printer is simple to use and maintain. It comes with all necessary configuration applications such as a printer firmware updates app, which enables you to update the printer to the latest firmware to ensure that it is secure and performing to its optimal level.



*The PC43K is an all-in-one compact solution combining tablet, label printing, scanning and configurable workflow software, ideal for self-service applications.*

## FEATURES AND BENEFITS



The compact, modular design of the PC43K facilitates integration and performance in any consumer environment.



The Android mobile operating system enables easy integration and configuration of business-specific applications.



Dramatically reduce integration costs with pre-integrated hardware.



Full system integration and centralized support from Honeywell ensures regular patches and up-to-date security.

## MECHANICAL (KIOSK)

**Dimensions (L x W x H):**  
408 mm x 245 mm x 248 mm  
(16.1 in x 9.6 in x 9.8 in)

**Weight:** 4.55 kg (10 lb)

## ENVIRONMENTAL (KIOSK)

**Operating Temperature:** -10°C to 40°C  
(14°F to 104°F)

**Storage Temperature:** -20°C to 60°C  
(-4°F to 140°F)

**Humidity:** 10% to 80% relative humidity  
(non-condensing)

## POWER ADAPTER (KIOSK)

**Input:** 100–240V AC, 1.5A 50–60 Hz  
**Output:** 24V, 2.5A

## WARRANTY (KIOSK)

One-year standard warranty; additional service packages available through Honeywell Repair Services

## PRINT SPECIFICATIONS (PRINTER)

**Maximum Label Width:** 118 mm (4.65 in)

**Maximum Label Length:** 300 dpi – max. 900 mm (35.4 in)

**Print Direction:** Prints text, barcodes and graphics in all four directions

**Print Resolution:** 12 dots/mm (300 dpi)

**Print Width:** 300 dpi – max. 106 mm (4.2 in)

**Printing Speed:** Selectable up to 6 ips (152.4 mm/sec) for 300 dpi

**Communications:** 802.11 b/g

## MEDIA SPECIFICATIONS (PRINTER)

**Label Roll:**

**Maximum Diameter:** 127 mm (5 in)

**Core Diameter:** Min. 25.4 mm (1 in);  
Max. 38.1 mm (1.5 in)

**Paper Width:** Max. 118 mm (4.7 in);  
Min. 19 mm (0.75 in)

**Label Length:** Min. 6.35 mm (0.25 in)

**Labels:** A wide selection of stock and custom size labels are available from Honeywell Media.

## CHARACTER SETS/FONTS (PRINTER)

**Printing Character Sets:** English and Extended Latin, Cyrillic, Greek, Turkish, Hebrew, Arabic, Baltic, Baltic RIM, Vietnamese, Thai and more with Monotype Universal Font Scaling Technology (UFST) and WorldType Layout Engine (WTLE)

**Resident Fonts:** Century Schoolbook, CG Times, CG Times Bold, Letter Gothic, Andale Mono, Andale Mono Bold, Univers, Univers Bold, Univers Condensed Bold, Univers Extra Condensed, OCR-A, OCR-B

**Optional:** Support for downloading TrueType and TrueType-based OpenType fonts and user-defined fonts

## GRAPHICS (PRINTER)

Native support for one-bit BMP, GIF, PCX and PNG graphic formats

## BARCODE SYMBOLOGIES (PRINTER)

**All major 1D barcode symbologies are available, plus 2D and composite codes:** Aztec, Code 16K, Code 49, Data Matrix, Dot Code, EAN-8, EAN-13, EAN.UCC 128, Grid Matrix, HIBC 39, HIBC 128, MaxiCode, MSI (modified Plessey), PDF417, Micro PDF417, Planet, Plessey, Postnet, QR-Code, RSS-14 (variations)

## SOFTWARE (PRINTER)

**Printer Command Languages:**

IPL, DP, ZSim2 (ZPL-II), DSim (DPL), ESIm (EPL)

XML-enabled for SAP® All and Oracle® WMS

**Applications/Drivers:**

InterDriver Windows® printer driver  
CUPS driver for Linux®

Honeywell Device Types for SAP  
Honeywell label design and print package

**Smart Printing Languages:**

Honeywell C# for Printers  
Smart Printing Developer Resource Kit  
Write apps with .NET-compatible development environments  
Honeywell Fingerprint – use Honeywell Fingerprint Application Builder (IFAB)

**Configuration and Device**

**Management Support:**

PrintSet for printer configuration  
Honeywell SmartSystems™ Foundation  
Sophisticated web interface for configuration, upgrades and 1:1 management  
Wavelink Avalanche®

## SYSTEM ARCHITECTURE (PRINTER)

**Memory:** 128 MB Flash, 128 MB RAM (DDR2)

**Interface:** USB Device Type B connector v.2.0 high speed; USB Host Type A connector v.2.0 high speed

**Serial Flow Control:** XON/XOFF, RTS/CTS (DTR/DSR)

**Wireless Protocol:** WEP static (64/128 bits), WPA, WPA2, WEP dynamic, EAP-PEAP, EAP-TTLS, LEAP, EAP-FAST, EAP-TLS, Wi-Fi certified

## SYSTEM ARCHITECTURE (TABLET)

**Processor:** 1.8 GHz Qualcomm® SDM450 8-core

**Operating System:** Android 8/O, upgradeable to Android 10/Q

**Memory:** 2 GB RAM, 32 GB Flash

**Display:** 7-inch high definition (1280 x 720) bright color LCD with backlight, outdoor viewable, optically bonded to touch panel

**Touch Panel:** Rugged, multi-touch capacitive touch panel, optically bonded for extra durability and better sunlight viewability

Automatic detection and configuration utilizing mutual and self-capacitance modes for water rejection and use

**Keypad:** On-screen keypad and power button

**Audio:** Bluetooth® wireless headset support

**Sensors:** Accelerometer

**Application Software:** Honeywell Power Tools and Demos, Honeywell SDKs for Android

## WIRELESS CONNECTIVITY (TABLET)

**WLAN:** IEEE 802.11 a/b/g/n/ac, Wi-Fi certified

**Additional WLAN Features:** 802.11 d/e/h/i/k/r/u/w

**WLAN Security:** WEP, 802.1x, TKIP, AES, LEAP, PEAPv0, PEAPv1, EAP-M, SCHAPv2, EAP-GTC, EAP-TLS, EAP-TTLS, WPA-PSK, WPA2

**Supported EAP:** TLS, PEAP, TTLS, PWD, FAST, LEAP

**Bluetooth:** Class 2 V4.2 Bluetooth

**Bluetooth Profiles:** HFP, PBAP, A2DP, AVRCP, OPP only

**WWAN Radio (WWAN version only):**

**GSM/EDGE:** Bands 2, 3, 5, 8

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

**CDMA 1xRTT/EVDO:** BC0, BC1, BC6

**FDD-LTE:** Bands 1, 2, 3, 4, 5, 7, 8, 9, 19, 20, 26, 28

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

**NFC:** Integrated Near Field Communication

**VoIP:** Supported

**VPN:** IPSec V4/L2TP, PPTP

**GPS Supported Protocols:** GNSS receiver for BeiDou, GPS and GLONASS

## SCAN PERFORMANCE (SCANNER)

**Sensor:** CMOS sensor with 640 x 480 pixel resolution

**Illumination:** White LED

**Aiming:** Red LED dot aimer

**Typical Frame Rate:** 30 frames per second

**Motion Tolerance:** Up to 10 cm/s (4 in/s) for 13-mil UPC at optimal focus

**Field of View:** Horizontal: 37.8°, vertical: 28.8°

**Scan Angles:** Tilt: 360°, pitch: ±45°, skew: ±45°

**Symbol Contrast:** 35% min. print contrast ratio

**Symbologies**

**Linear:** Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 DataBar, UPC-A, UPC-E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32 (PARAF), EAN-UCC Emulation

**2D Stacked:** Codablock A, Codablock F, PDF417, MicroPDF417

**2D Matrix:** Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin) Code

**Postal:** Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet

# PC43K All-in-One Kiosk Solution

## Technical Specifications



### STANDARD RANGE (SR OPTICS)\*

NARROW WIDTH	DEPTH OF FIELD
100% UPC	5.5 cm – 28 cm (2.1 in – 11 in)
5 MIL CODE 39	6.1 cm – 13 cm (2.4 in – 5.1 in)
20 MIL CODE 3	6 cm – 38 cm (2.4 in – 15 in)
6.7 MIL PDF417	6 cm – 12.5 cm (2.4 in – 4.9 in)
10 MIL DATA MATRIX	6 cm – 13 cm (2.4 in – 5.1 in)
20 MIL QR	5 cm – 23 cm (2 in – 9 in)

\*Barcode quality and environmental conditions may affect performance

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).

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