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 is an all-in-one compact solution combining tablet, label printing, I/O, and configurable workflow software, ideal for self-service applications.

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. Capable of full mobile device management (MDM) support, and with security patch releases for Android and centralized support from Honeywell, the PC43K is a complete, all-in-one kiosk solution.

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 the printer is secure and performing to its optimal level.

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.

ENERGY ELECTRONICS

Honeywell

PC43K All-in-One Kiosk Solution Technical Specifications

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® AII 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 (Oreo), upgradeable to Android P and Q

Memory: 2/4 GB RAM, 32/64 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, side scan triggers, volume up/down, power button

Audio: Built-in speaker, Bluetooth® wireless headset support

Sensors: Ambient light sensor, proximity sensor, 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 (mc with Android P)

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

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

Bluetooth: Class 2 V4.2 Bluetooth

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

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% minimum 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.

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

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