

# PX240S

## Industrial label printer

The PX240S series is a workstation model tailored for the Chinese market by Honeywell's local printing team.

Industrial-grade printers are widely used in manufacturing, retail logistics, medical hospitals, government departments, and other industries.

Industry. Adhering to the robust, durable, and high-performance qualities of the PX series, the PX240S aims to provide customers with...

It provides excellent printing results, a stable printing experience, easy cleaning and maintenance, and a user-friendly interface.

Operation settings. The PX240S series includes a 3.5" full-touch color screen model and a 2.36" keypad small screen model.

Three models are available: a standard model and an ultra-high frequency RFID printer.



The PX240S series features an all-metal frame structure, ensuring robustness and durability. Its unique minimized internal component design, combined with a rugged exterior, reduces the printer's size while still fulfilling all its functional requirements, resulting in a more aesthetically pleasing appearance. A large transparent window allows for easy monitoring of consumable status; the side-opening ribbon and paper loading system, along with recyclable bottom paper, further saves space.

The PX240S uses an Arm Cortex-A7 800MHz processor, supports 128MB of RAM and 128MB of DDR3 SDRAM, and supports thermal and...

Thermal transfer printing. Utilizes a high-end industrial printhead for high-quality, durable prints. Employs Honeywell's unique dual-sensor design, supporting...

The dynamic positioning function ensures a minimum label height of 5mm and a vertical positioning accuracy of 0.5mm. It employs adjustable dual-pressure...

The lever design, combined with dual paper clamps, ensures stable paper feeding, preventing ribbon wrinkles and ensuring clean printing.

The PX240S features a more ergonomic printhead lever design, making printhead switching easier and simpler to use. The modular design of the front sensor simplifies the cleaning and replacement of the printing rollers. It supports multiple printer command languages, including FP/DP/IPL/ZPL/DPL, and one-click printer driver installation. Windows configuration and one-to-one management are also supported.

The PX240S offers a wide range of accessory options, supporting wireless network interface cards, parallel interface cards, labeling machine interface cards, industrial GPIO, and serial interfaces.

The interface card, stripping and rewinding components, and cutter easily handle complex scenarios.

## Features & Advantages



### Sturdy and durable

Featuring an all-metal frame structure, suitable for harsh working environments.



### Excellent performance

High-end industrial printhead, high print quality, durable.



### Unique dual-sensor technology

It features dynamic positioning, guaranteeing a minimum width of 5mm and a positioning accuracy of  $\pm 0.5$ mm.



### Simple and easy to use

Supports one-click driver installation, making printer cleaning and parts replacement more convenient.



### Comprehensive after-sales service

Honeywell Global Service Support provides customers and partners with best-in-class support and on-site service. Honeywell services can improve productivity, equipment reliability, and uptime metrics.

# Honeywell

PX240S Technical Specifications

Standard

Specifications

Product Models: PX240SF: 3.5" color  
touchscreen LCD; PX240SC: 2.36"  
keypad screen; PX240SR: 3.5" color touchscreen LCD with  
RFID  
module.  
Printing Method:  
Thermal  
transfer and thermal printing.  
Processor: Arm  
Cortex®-A7, 800MHz; 128  
MB Flash memory; 128 MB DDR3 SDRAM; Multi-  
GB USB storage (FAT16/FAT32); Built-in real-time clock.

Print

Specifications :

Print Resolution: 8 dots/mm at  
203 dpi; 11.8 dots/mm at 300 dpi  
Print Speed: 50  
– 250 mm/s (2–10 ips) at 203 dpi; 50 – 200 mm/s (2–8 ips)  
at 300 dpi Maximum Width: 108 mm (4.25 inches) at 203  
dpi; 105.7 mm  
(4.16 inches) at 300 dpi Maximum Continuous  
Print Length: 4.8 m (15.75 feet) at 203 dpi; 2.2 m  
(7.22 feet) at 300 dpi

Mechanical parameters

PX240SF/PX240SC Length  
x Height x Width:  
L: 438 mm H: 270 mm W: 249 mm (17.24  
inches x 10.63 inches x 9.80 inches) Weight:  
10.82 kg (23.85 lbs)

Optional Accessories:

Wireless Network Interface  
Card, Parallel  
Interface Card, Labeler  
Interface Card, Industrial GPIO and  
Serial Interface Card, Stripping and Rewinding Assembly  
(PX240SF, PX240SC), Cutter (PX240SF, PX240SC)

Ribbon

Specifications :

Ribbon Supported:  
Inner or Outer Carbon  
Maximum Drum Diameter: 80 mm (3.15 inches), approx. 450 m  
(1,476 inches)  
Core Inner Diameter: 25.4  
mm (1 inch) Maximum/Minimum Width (Ribbon  
and Core): 110/51 mm (4.33/2.0 inches)  
Type:  
Wax-based, Hybrid, and Resin-  
based Genuine Honeywell  
Media: [www.honeywellaidc.com/media](http://www.honeywellaidc.com/media)

Media

Specifications: Non-continuous label paper, black label paper, hang tag paper,  
guide hole paper,  
notched paper, or continuous label paper.  
Maximum/minimum width (label and  
padding): 114/20 mm  
(4.5/0.79 in). Minimum label length: Tear-off type:  
5.0 mm (0.197 in). Self-peel type: 12.7 mm (0.5  
in). Thickness (label and  
padding): 3 mil to 10  
mil.  
Configuration: Outer roll or folded  
paper. Maximum label roll  
diameter: 203.2 mm (8.0 in).  
Label core: 76  
mm (3.0 in) / 25.4 mm (1.0 in).

Interface

Standards: USB 2.0 host  
interface, USB 2.0 device  
interface, Ethernet interface (10/100 Mbps), RS-232  
(up to 115.2 KB/s). Supported Serial Protocols:  
Fingerprint/Direct  
Protocol: XON/XOFF, ENQ/ACK, RTS/CTS; IPL: XON/XOFF, Honeywell  
Std. Protocol.

RFID Specifications (Optional, Pre-installed at the  
factory)

Standard: ISO

18000-6C Protocol: EPC GEN2

PROTOCOL

Frequency  
Band: 920–925MHZ RFID Features: Integrated UHF RFID reader/encoder  
module; marks damaged or unreadable invalid RFID tags; RFID intelligent  
calibration technology matches RFID parameters to the optimal printing  
performance; supports user-defined inlay positions for quick calibration of  
readable and writable areas; supports simultaneous printing and encoding.

RFID Tag Types •

Supports minimum tag height of 12.5mm  
• Supports minimum pitch of  
16mm • RFID tag thickness up to  
1.5mm • Supports flexible anti-

metal tags

Gen2 Storage: Expandable EPC, user memory, TID,  
access password,  
lock Print Resolution: Optional 203DPI and 300DPI SKUs

Operating

Environment :

Operating Temperature: +5°C ... +40°C  
(+41°F ...  
+104°F) Storage Temperature: -20°C ...  
+70°C  
(-4°F ... +158°F) Humidity:  
20% ... 85%, non-  
condensing

Barcode/Font/Graphic Barcode

Symbols:

Supports all major 1D and 2D symbols Supported  
Standards: UPC/EAN Shipping Container, UCC/EAN  
128, Serial Shipping Container, MH10.8 Shipping  
Label, AIAG (shipping parts label), OGMARS,  
POSTNET, HIBCC, ISBT 128, GM1724, UPS Shipping  
Label, and Global

Transport Label Fonts: Monotype font engine; non-Latin fonts  
can be supported via WTLE, and customers can  
also

download (TrueType) fonts. Graphics: Supports PCX, PNG,  
GIF, and BMP file formats. Other formats are supported via Label Generation T

Software

printer command languages:

Fingerprint (FP), Direct Protocol (DP)  
IPL, ZSim2 (ZPL-II), DPL; for SAP® All and Oracle®  
WMS enables XML;

Applications/Drivers:

InterDriver Windows® printer drivers and one-click installation  
drivers, CUPS drivers for Linux, Honeywell device types for SAP,  
and the Honeywell Label Design and Printing Package;

SMART PRINTING printing language:

Honeywell C# language for printers: Smart Printing  
Developer Resource Kit; programming using a .NET-compatible  
development

environment; Configuration and device management support:

Printset supports Windows and is used to configure printers; a mature solution.  
Web interface for configuration and one-to-one management

User interface languages

for the color CNC LCD screen and web

interface: English, Italian, French, Spanish, Portuguese, German, Russian,  
Traditional Chinese, Simplified Chinese, Korean, Japanese, and Thai.

The PFC

power supply has a rated power of 100W and

supports AC voltages from 100V AC to 240V AC, and a frequency of 50Hz to 60Hz.

Certification

Information: This product line fully complies with Chinese CCC and CE certifications,  
SRRC, Energy Star, and meets Chinese and EU RoHS regulations. For more compliance  
information, please contact your local sales representative.

For more information, please

visit: [sps.honeywell.com/cn/zh](http://sps.honeywell.com/cn/zh)

Honeywell Safety and Productivity Solutions Group

Shanghai Pudong New Area, China

555 Huanke Road, Zhangjiang High-Tech Park

Nationwide unified purchase consultation hotline: 400 639 6841



PX240S Data Sheet | Rev C | 10/22 © 2022  
Honeywell International Inc.

THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT

Honeywell