PM42

Industrial Label Printer

The Honeywell PM42 mid-range industrial label printer is designed for maximum reliability and uptime. With a durable construction and an intuitive, user-friendly interface, it's ideal for distribution center, warehouse, manufacturing, transportation and retail environments.

Unlike competitive printers that incorporate plastic components, the PM42 printer features an all-metal, die-cast aluminum construction for enhanced durability and reliability in the harshest industrial environments. With a magnetic quick-mount printhead – designed for quick removal without tools – and an easily removable print roller – the PM42 printer minimizes downtime and reduces maintenance costs.

With a full-color, graphical display including 9 user-selectable languages, the PM42 is intuitive and easy to use, reducing your workforce training and device support needs. And workers can easily manage their printing jobs from nearby or afar with the printer's integrated web interface, which enables easy setup, monitoring and configuration through mobile devices including tablets and smartphones.

The PM42 printer provides fast, high-volume industrial thermal printing, making it an affordable choice for organizations printing 5,000–15,000 labels per day. With its class-leading print speeds up to 300 mm/s (12 ips), you'll gain a clear productivity advantage. And with its Smart Printing technology – delivered through Honeywell C# for Printers and Fingerprint – you can run apps, print labels and

The Honeywell PM42 label printer incorporates class-leading industrial printing, superior durability and rich features into an affordable and easy-to-use package.

even control other devices directly from the printer, without the need for a connected PC.

The user-selectable, all-in-one programming language included in every PM42 printer enables it to fit easily into most IT infrastructures, deploying quickly into existing Honeywell or mixed printer environments.

FEATURES & BENEFITS

An all-metal housing ensures reliability and longer operating times, and can support heavy-duty printing.

Class-leading print speeds up to 300 mm/s (12 ips) enable high-volume printing during peak hours. Run sophisticated apps right in the printer with industry-leading Honeywell Smart Printing technology.

A full-color LCD display with multi-language support provides an intuitive and convenient user interface. Unique shortcuts for one-key label setup make maintenance more convenient, reducing workforce training and device support needs.

An integrated web interface allows easy setup, monitoring and configuration through devices like mobile computers, tablets and smartphones. Integrated device management and diagnostic capabilities reduce downtime and simplify deployment.

Honeywell Repair Services provide industry-leading support and field service for customers and partners. Honeywell service helps enhance your productivity, device reliability and uptime.

PM42 Technical Specifications

MECHANICAL

Dimensions: 484 mm x 292 mm x 283 mm (19.1 in x 11.5 in x 11.1 in)
Weight: 12.1 kg (26.7 lbs)

PM42 PRINT SPECIFICATIONS

Max. Width at 203 dpi: 108 mm (4.25 in)
Max. Width at 300 dpi: 106 mm (4.17 in)
Max. Width at 406 dpi: 104 mm (4.09 in)
Max. Length at 203 dpi: 4.8 m (15.75 ft)
Max. Length at 406 dpi: 1.2 m (3.94 ft)

PRINT SPEED

At 203 dpi/300 dpi: 100 mm/s–300 mm/s (4 ips–12 ips)
At 406 dpi: 100 mm/s–250 mm/s (4 ips–10 ips)

PRINT RESOLUTION

At 203 dpi: 8 dots/mm
At 300 dpi: 11.8 dots/mm
At 406 dpi: 16 dots/mm

MEDIA

Type: Labels and tags, linerless and linered media
Max./Min. Width: 114 mm/19 mm (4.5 in/0.75 in)
Thickness: 2.4 to 10.4 mil (with cutter: 3 to 7.6 mil)
Configuration: Roll-fed or fanfold
Sensing: Gap, notch, black mark, continuous
Label Roll Max. Diameter: 213 mm (8.38 in)
Label Roll Core: 38 mm–76 mm (1.5 in–3 in)
Ribbon Supports: Carbon Inside and Carbon Outside
Roll Max. Diameter: 80 mm (3.15 in), approx. 450 m (1,476 ft)
Core ID: 25 mm (1 in)
Type: Wax, mid-range, resin
Genuine Honeywell Media:
www.honeywellaidc.com/media

INTERFACES

Standard:

- Ethernet 10/100 Mbps
- RS-232, up to 115.2 KB/s

- Supported Serial Protocols:
  – Fingerprint/Direct Protocol: XON/XOFF, ENQ/ACK, DSR/DTR, RTS/CTS
  – IPL: XON/XOFF, Honeywell Std. Protocol
- USB 2.0
- USB Host X1

Optional:

- Parallel IEEE 1284

SUPPORTED PROTOCOLS

TCP/IP suite (TCP, UDP, ICMP, IGMP), LPR/LPD, FTP, BOOTP, DHCP, HTTP, SNMPv1/2c/3, SNMP-MIBII supported – over UDP/IP (private enterprise MIB included), SMTP supports IPv4 and IPv6

SOFTWARE

Printer Command Languages:

- IPL, DP, ZSim2 (ZPL-II), DSim (DPL)
- XML enabled for SAP® AII and Oracle® WMS

Applications/Drivers:

- InterDriver Windows® printer driver
- 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 ApplicationBuilder (IFAB)

Configuration & Device Management Support:

- PrintSet for printer configuration
- Sophisticated web interface for configuration, upgrade and 1:1 management
- Wavelink Avalanche

BARCODE SYMBOLOGIES

All major 1D and 2D symbologies are supported, including Aztec, Code 16K, Code49, DataMatrix, DotCode, EAN-8, EAN-13, EAN.UCC 128, GridMatrix, HIBC 39, HIBC 128, MaxiCode, MSI (modified Plessey), PDF417, Micro PDF417, Planet, Plessey, Postnet, QR-Code, RSS-14 (variations)

STANDARDS SUPPORTED

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; Global Transport Label

FONTS

Monotype font engine
Non-Latin fonts available through WTLE

GRAPHICS

Supports PCX, PNG, GIF and BMP file formats. Other formats supported with Label Generation Tools

MEMORY

Standard: 128 MB ROM, 128 MB SDRAM, supports external storage (FAT16/FAT32)

USER INTERFACE

Color UI, supports user-customizable interface

USER INTERFACE LANGUAGES

On Color LCD and Web Interface: Simplified and Traditional Chinese, English, Russian, German, French, Portuguese, Spanish, Italian

POWER SUPPLY

AC Voltage: 100 VAC to 240 VAC, 45 Hz to 65 Hz
PFC Regulation: IEC320/C14
Power Consumption: Standby 9W; Peak 300W

OPERATING ENVIRONMENT

Ambient Operating Temperature: +5°C to +40°C (5°F to 104°F)
Storage Temperature: -20°C to +60°C (-4°F to 140°F)
Humidity: 20% to 80% non-condensing

REGULATORY APPROVALS

RoHS Compliant, CB, CE (EN 60950-1, EN55022/EN55032 Class A), FCC Class A, RCM, KC, CRS, EAC, SASO, NRCS & SABS, S Mark, NOM

OPTIONS AND ACCESSORIES

Integral self-strip unit with liner takeup, label taken sensor (LTS), internal rewinder, parallel interface board, cutter. Consult the PM42 Accessory Guide for full details.

For more information

www.honeywellaidc.com

INTEGER SOLUTIONS

Honeywell