PC45

Direct Thermal and Thermal Desktop Printer

The next generation of desktop printers brings powerful performance, reliable connectivity, and easy integration in a compact design to tackle rapidly changing everyday work environments.



The PC45 series desktop printer offers everything your business needs in Honeywell legacy printers - E-class and PC43.

The PC45 family of thermal printers builds upon the successful design of the proven E-class and PC43 printers, offering seamless connectivity, premium performance and reliability. The PC45 offers a large touch screen, enterprise-level ruggedness, and multiple new design accessories to support various needs. The PC45 is designed for businesses that invest in solutions and want a durable, stable, secure platform to implement them.

Honeywell Printer Edge™ platform provides a centralized management system for your printer network. Allowing real-time visibility, automated software updates, and enhanced security. This efficient and cost effective solution for businesses looking to optimize printer operations, Honeywell Printer Edge streamlines workflows and helps reduce downtime, making it easier for you to manage costs.

Stay connected with Wi-Fi 6 and Bluetooth® 5.2 for continuous productivity across Android™ and iOS® devices. Benefit from optional WLAN and WWAN[1,2] connectivity for fast data capture allowing for accelerated deployments. With optional low media and low ribbon enabled sensor and RFID, take the guesswork out printer maintenance to avoid unnecessary operational downtown.

Whether on a local server or utilizing the Cloud, the PC45 supports variable network protocols and multiple print languages allowing for easy integration and a seamless transition. Smart Parse technology from Honeywell gives the ability to resize objects, barcodes, or font type without any need to get in on the system backend. Honeywell Operational Intelligence takes it one step further providing remote management capabilities for real-time diagnostics and output performance tracking.

FEATURES AND BENEFITS

Honeywell Operational Intelligence provides actionable insights into critical areas such as mobility devices, printer usage, and network connectivity. These insights can be turned into automated workflows that optimize workflow processes for greater productivity.

Honeywell Printer Edge™ is a smart, connected printer platform with easy setup, quality output, enhanced security, and the simplicity of a single software toolkit for your printer network.

Optimized low label and low ribbon warning workflow to predict and reduce downtime.

New set of a wealth of accessories supports various customer needs.

[1] US WWAN certified
[2] Certification Ready for other regions dependent on demand.

Honeywell

PC45 Technical Specifications

MECHANICAL CHARACTERISTICS

PC45d:

LxWxH:
168 mm L x 181.3 mm W x 215.6 H
(6.6 in L x 7.1 in W x 8.5 in H)

Weight: 1.8 kg (4 lbs)

PC45t:

LxWxH:
179.6 mm L x 212.9 mm W x 285.5 H
(7.1 in L x 8.4 in W x 11.1 in H)

Weight: 2.7 kg (5.9 lbs)

ENVIRONMENTAL

Operating Temperature:
0°C to 45°C (32°F to 113°F)

Storage Temperature:
-20°C to 70°C (-4°F to 152°F)

Humidity:
10% to 90%, non-condensing

PRINT SPECIFICATIONS

PC45d:
Max. Width at 203 dpi: 108 mm (4.25 in)
Max Width at 300 dpi: 106 mm (4.12 in)

PC45t:
Max. Width at 203 dpi: 108 mm (4.25 in)
Max Width at 300 dpi: 106 mm (4.12 in)

PRINT SPEED

At 203 dpi: 2ips up to 8ips
At 300 dpi: 2ips up to 6ips

PRINT RESOLUTION

At 203 dpi: 8 dots/mm
At 300 dpi: 12 dots/mm

WIRELESS CONNECTIVITY

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

Security: OPEN,WEP,WPA/WPA2/WPA3 (Personal and Enterprise)
FAST roaming (802.11r)

Supported EAP: TTLS, TLS, PEAP, LEAP

Bluetooth: Bluetooth® 5.2
(Field or Factory installable)

MEDIA AND RIBBON SPECIFICATIONS

Maximum Media Width:
118mm (4.65 in)

Maximum Media Roll Capacity:
127 mm (5 in) O.D

Media Core I.D:
12.7 mm (0.5 in), 25.4 mm (1 in), 38.1 mm (1.5 in)

Minimum Media Length:
6.35 mm (0.25 in)

Maximum Media Length:
At 203 dpi: 1727 mm (68 in)
At 300 dpi: 900 mm (35 in)

Media Thickness:
0.05 mm (2 mil) to 0.16 mm (6.3 mil)
For optimum print quality and printer

Media Types:
Wristband, tags, receipt paper, linered and linerless labels, labels with black mark or gap

Media Sensing:
Gap, notch, black mark, continuous

Other sensing:
Media Low, Label Taken

INTERFACES

Standard:
Ethernet 10/100 Mbps
USB 2.0 Host High Speed
USB 2.0 Device High Speed

Optional:
RS-232, up to 115.2 KB/s

Network Protocols:
TCP/IP suite (TCP, UDP, M, IGMP), LPR/LPD, Telnet/SSH, FTP/SFTP, BOOTP, DHCP, HTTP/HTTPS, SNMPv1/2c/3, SNMP-MIBII supported – over UDP/IP (private enterprise MIB included), SMTP
Supports IPv4 and IPv6

RFID

1 8000-6C / EPC Class 1 Generation 2 Radio configured to comply with local UHF RFID regulations, including FCC and ETSI. Contact local representative for availability in particular region.

NETWORK SECURE CHANNELS

Secure Net1 printing channel
Secure printer configuration channel

OPTIONS AND ACCESSORIES

- Self-strip module with LTS
- Media low sensor
- RFID UHF
- Cutter module (linered and linerless)
- External media holder
- Cellular modem

USER INTERFACE

88.9 mm (3.5 in) 320 x 240 Color LCD, 1 Print/Feed button and ready-to-work LED

MEMORY

Standard:
256 Mbyte RAM
512 Mbytes Flash

POWER SUPPLY

Input:
100–240V AC/50–60 Hz, 1.5 A

Output:
24V DC, 3.15 A

SOFTWARE

Printer Command Languages:
Fingerprint (FP), Direct Protocol (DP), Intermec Printer Language (IPL), ZSim2 (ZPL-II), DPL, XML-enabled for SAP AII and Oracle WMS, PDF, C#

Applications/Drivers:
InterDriver Windows printer driver, CUPS driver for Linux, Honeywell Device Types for SAP, Honeywell label design and print package

Mobile OS Support:
iOS and Android

Smart Printing Languages:
C# for Printers: Honeywell Smart Printing Developer Resource Kit; write apps with .NET compatible development environments

Configuration and Device Management Support (optional):
PrintSet 6 for printer configuration; sophisticated web interface for configuration, upgrades and 1:1 management; SOTI Connect, Honeywell Operational Intelligence (OpIntel)

Regulatory approvals
RoHS Compliant, CE (EN55032 Class B), FCC Class B, Energy Star 3.2 Qualified

WARRANTY:

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

For a complete listing of all compliance approvals and certifications, please visit www.honeywell.com/PSScompliance

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

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