

PC45

Direct Thermal Desktop Printer for Healthcare

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 a premium printing solution with fast, secure communication in a compact form-factor.

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 direct thermal printer for healthcare clinicians 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.

Protecting sensitive patient information is essential for hospitals and clinician workers. Honeywell Printer Edge™ printer platform offers enhanced security to help ensure patient privacy and confidentiality during printing operations, without reducing productivity. Equipped with encryption technology reducing the threat of unauthorized users accessing data sent to the printer as well as lowering the risk of cyber-attacks. Easy set up enables IT to quickly and effortlessly integrate most Honeywell printers, while remote management allows IT to conveniently maintain printers, helping reduce printer management time and costs.

Get connected and stay connected with Wi-Fi 5 and Bluetooth 5.2 for continuous productivity. Benefit from WLAN and optional WWAN 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 downtime.

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.



Disinfectant ready housing and connectors are specifically designed to withstand frequent exposure to cleaning solutions.



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



A new set of a wealth of accessories that dedicated focus on the healthcare segment which supports various customer needs.

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:

118 mm (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:

For more information

sps.honeywell.com

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6.35 mm (0.25 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, lined and linerless labels, labels with black mark or gap

Media Sensing:

Gap, notch, black mark, continuous

Other sensing:

Media low

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 (lined 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 All 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

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 5 for printer configuration;

sophisticated web interface for

configuration, upgrades and 1:1

management

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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