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# **HONEYWELL** **PC45** **DESKTOP** **PRINTER**

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# AGENDA

## 1. PC45 Desktop Printer

- Introduction
- Value Proposition

## 2. Desktop Printer Customer Needs

## 3. Primary Applications

## 4. Offering and Ecosystem

## 5. Application and Tool Examples

# INTRODUCING THE PC45 DESKTOP PRINTER

- Following a legacy of **successful deployments**
- Offer **enhanced connectivity, user-friendly UI design, new design** of accessories, and advanced hardware/software **upgrades**



## HONEYWELL PRINTER EDGE



Common Honeywell  
Printer software platform

## ENHANCE CYBER SECURITY



Physical hardware  
security chip

## IMPROVE PRODUCTIVITY



Enhanced printer  
performance

## REDUCE DOWNTIME



Optimized workflow for  
low label/ribbon warning

**Excellence in printing, support for various applications**

# PC45 DESKTOP PRINTER CONCEPT CUSTOMER VALUE DRIVERS

## 1 Healthcare

- Wristbands
- Medication labeling
- Laboratory samples
- IV bags labeling
- Visitor passes



**22%**

**Overall vertical  
share percentage**



### Common Pain Points:

- Limitation of the space at front desk or wows
- Remote management to help increase productivity
- Easy to use - set up/low media warning
- Lack of 0.5" core ID support

### PC45D Customer Value Drivers:

- Increase productivity with wireless connectivity to enable remote management and tap-to-pair to accelerate connection time.
- Integrating low media warning and remaining labels to reduce downtime
- User experience-focused desktop printer design with disinfectant-ready material
- New accessories to fill the needs of the healthcare segment

# PC45 DESKTOP PRINTER CONCEPT CUSTOMER VALUE DRIVERS

## 2 Retail

- Price tag
- POS/BOPIS
- Inventory management
- ID badges
- Shipping
- Item Tag



**29%**

**Overall vertical  
share percentage**



### Common Pain Points:

- Connectivity hardship or drop of wireless connection
- Limitation of area for store printer
- Small display size and no warning
- Ruggedness(warehouse in store)
- Easy to use – change label & ribbon

### PC45 Customer Value Drivers:

- Help increase productivity with upgraded connectivity and media/ ribbon low warning capability.
- Optimized display for device size and readability
- New accessories to fill the needs of the retail segment
- Increased drop test to 100mm, enterprise-level ruggedness

# PC45 DESKTOP PRINTER CONCEPT

## CUSTOMER VALUE DRIVERS

### 3 DC & Warehouse

- Price tag
- POS/BOPIS
- Inventory management
- ID badges
- Shipping
- Item Tag

### 4 Government

- ID badges
- System Administration
- Supply chain labels
- Emergency management



**28%**

DC& Warehouse

**21%**

Government

**Overall vertical share percentage**

#### Common Pain Points:

- Reliable wireless connectivity
- Remote control management capability
- RFID resolution for inventory management
- Accessories to handle sometimes large printing job
- Rugged and reliable in performance

#### PC45 Customer Value Drivers:

- Help increase connectivity with new and enhanced wifi / BT solution
- Upgraded hardware and security to help support remote management capability
- User experience-focused design
- New upgraded accessories to support various applications

# PC45 - PREMIUM PRINTER PERFORMANCE

**1** Enhance productivity with upgraded CPU and memory



**2** New set of accessories supports various customer needs



**3** Early warning of ribbon and label status



**4** LCD touch screen with new UI interface



**Comprehensive printer performance for most applications**

# PC45 - ADVANCED PRINTER CONNECTIVITY

**1** Enhanced Wi-Fi, Bluetooth Performance in the desktop printer's market



**2** Quick, smooth pair from far to near



**3** Standard Ethernet connectivity and multiple connection option



**PC45 offers enhanced wireless connection**



# PC45 - STANDARD COMMON PRINTER PLATFORM

**1** Standard Honeywell Print software platform- Printer Edge



**2** Upgraded Printer MC application



**3** Remote control enhancement



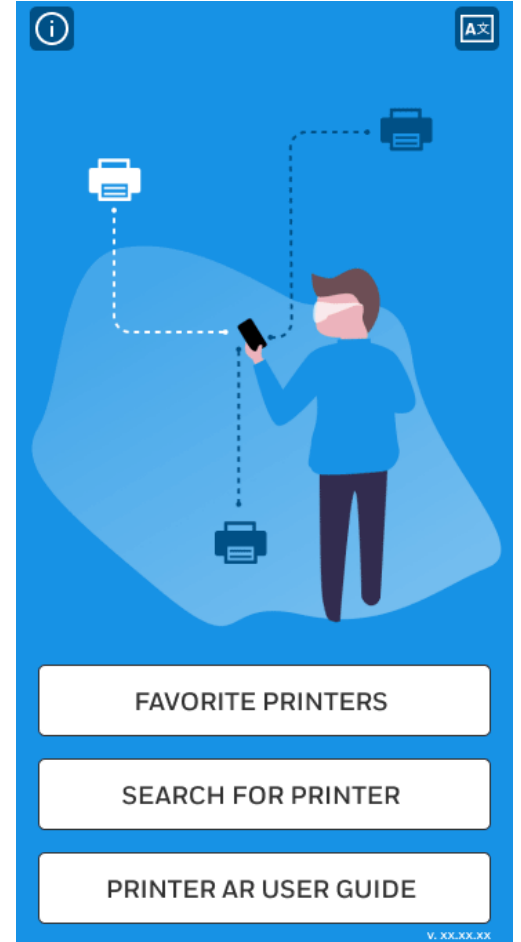
**4** Multi print language support. Eg, Direct PDF Printing, Smart Printing



**5** Easy use of modified label layout - Smart Parse



**6** Quick and smooth BT MAC address via scan engine for **Scan-to-pair**



**Enhance remote management to improve productivity**

# PC45 VS PC43 VS E-CLASS

	PC45	PC43 (LCD Model)	E-Class
<b>Processing Unit</b>			
SOC/MPU	NXP I.MX6ULL	Zoran Z4305	MCIMX253DJM4A
Processor Speed	792MHz	300MHz	400 MHz
<b>Memory</b>			
Memory - DRAM	256 Mbytes DDR3L	128 Mbytes DDR2	64 MB DRAM
Memory - Flash	512 Mbytes	128 Mbytes	32 MB
<b>User Interface</b>			
LCD	3.5" 320x240 color TFT LCD with touch	2.36" 480x234 TFT LCD	
LEDs	1 LED	1 LED	2 light indicators with 3 colors
Buttons	1 Feed button	8 button	
<b>Connectivity</b>			
Wi-Fi /BT	802.11 a/b/g/n/ac/ax, BT5.1 Option	802.11b/g/n, BT2.1 Option	802.11 a/b/g Bluetooth® v2.0 Option
Ethernet	10/100 Base-T Standard	10/100 Base-T Option	10/100 Base-T Standard
NFC- Tap to pair	Yes	N/A	N/A
Mfi-Apple Conenction	Yes	N/A	N/A
<b>Sensors</b>			
Ribbon Low	New	No	No
Media Low	New	No	No

	PC45	PC43 (LCD Model)	E-Class
<b>Media Support</b>			
Width	0.59"/15mm to 4.7"/118mm	0.75"/19mm to 4.7" /118mm	0.75"/19mm to 4.4"/112mm
Linerless (DT)	Support Retract	Do not support Retract	Do not support Retract
<b>Accessories</b>			
Linerless Cutter with LTS	New	No	No
Notchless Ribbon core Adapter	New	No	No
<b>Others</b>			
Secured Boot and Flashing	Yes	No	No
Passive NFC for Tap and Pair	Yes	No	No
Healthcare SKU	Yes	No	No
Energy Star	Ver 3.0	Ver 2.0	N/A
Radiated Emission	Class B	Class A	N/A
Operating Temperature	40°F to 113°F	40°F to 104°F	40°F to 95°F
UHF RFID min. label pitch	0.6"	1"	N/A
Warranty	2 years	1 year	1 year

# PC45, ZD421/621, T800 SPEC COMPARISON\*

Model	Honeywell PC45	Zebra ZD421	Zebra ZD621	TSC T800
Max Print Speed/Resolution/Width	8 ips (203.2mmps) /203dpi/106mm 6 ips (152.4mmps)/300dpi/108mm	6 ips /203dpi/104mm 4 ips/300dpi/108mm	8 ips /203dpi/104mm 6 ips/300dpi/108mm	8 ips /203dpi/104mm 6 ips/300dpi/104mm
Processor	792 MHz	400 MHz	528 MHz	
Ethernet (10/100 base-T)	Standard	Field Installable option/Standard	Standard	Standard
Bluetooth	BT5.1 Field Installable	BLE and BT 4.1	BT4.1; BTLE- Mfi - certified Field or factory installed	BT4.2 Factory installed option
Wi-Fi/BT	802.11 a/b/g/n/ac Field Installable	802.11AC Field or Factory Installed option	802.11AC Field or Factory Installed option	802.11 AC Factory installed option
NFC	YES	Yes	Yes	No
MFI	YES	Yes	Yes	No
Printing Language	IPL, DP, ZSim2 (ZPL-II), DSIm (DPL), ESIm (EPL), XML enabled for SAP® All and Oracle® WMS,PDF Direct,CPCL,EZ-Print	ZPL II; EPL 2; XML; ZBI; PDF Direct	ZPL II; EPL 2; XML; ZBI; PDF Direct	PGL/VGL/ZGL/TGL/IGL/STGL /DGL/IEGL/MGL/EGL
Media- Max Label Length	203 dpi: 68 in./1727mm 300 dpi: 35 in./900mm	Maximum: 39.0 in./991 mm Minimum: 0.25 in./6.4 mm	Maximum: 39.0 in./991 mm Minimum: 0.25 in./6.4 mm	50 in.
Media width	0.59in/0.75 in/19mm to 4.7in /118mm	TT: 0.585 in./15 mm to 4.65 in./108 mm DT: 0.585 in./15 mm to 4.25 in./112 mm	TT: 0.585 in./15 mm to 4.65 in./118 mm DT: 0.585 in./15 mm to 4.25 in./108 mm	0.79 in./20mm to 4.4 in./112mm
Operating Temp	4.4 - 45 degree C	4.4 - 41 degree C	4.4 - 41 degree C	5 - 40 degree C
RFID	Factory Installed option	NA	Factory Installed option	Factory installed option
Healthcare model	Yes	Yes	Yes	NA
Security Chip	Yes	No	No	No
Low Media/Ribbon sensor	Yes	No	No	No

- Outstanding wireless connectivity – Wifi 6, BT 5.1 connection option.
- Integrated low media warnings and remaining label notifications help reduce downtime
- Top-tier modern processor and upgraded hardware support high-performance print speed with UI-friendly LCD.
- The common software platform and security chip provides a stable architecture with security updates throughout the device lifecycle.
- Wide selection of accessories with linerless and trending RFID capability support.

# PC MODEL TRANSITION GUIDE

**PC43 user**

**E-Class Standard users who want an upgrade**

**PC23 user who wants larger media capacity**

## USER NEEDS:

- Standard Ethernet connectivity
- Cost-sensitive

- Seeking wireless connectivity
- RFID

- Fast,
- larger media and ribbon-roll capacity.

- Entry level industrial printer

- White color
- anti-bacteria materials
- Wristband support



**PC45  
(Standard)**



**PC45  
Wi-Fi+RFID**



**PC45  
(Standard)**















































**PC45  
(Standard)**



**PC45 HealthCare**












# PC 45 VS PC43 ACCESSORIES

Category	Description	 PC45d	 PC45d Healthcare	 PC45t	 PC43d	 PC43t	Is the PC45 part the same as PC43?	Is the PC43 part compatible with PC45?	Customer Installable	Notes
Platen Roller	Platen Roller Kit	 205-187-002	 205-187-002	 205-188-002	 910400025370	 910400024890	No	Yes	Yes	Colour change only.
	Linerless Platen Roller Kit	 205-187-003	 205-187-003	-	 203-185-400	 203-185-500	No	Yes	Yes	Colour change only.
Printheads	203 DPI Printhead Assembly, 4"	225-783-001	225-783-001	225-783-001	225-783-001	225-783-001	Yes	Yes	Yes	
	300 DPI Printhead Assembly, 4"	225-784-001	225-784-001	225-784-001	225-784-001	225-784-001	Yes	Yes	Yes	
Ribbon Adapters	0.5 inch Ribbon Adapters	-	-	 205-188-010	-	-	No	No	Yes	
	1.0 inch Ribbon Adapters	-	-	 205-188-009	-	 225-781-001	Yes	Yes	Yes	Colour change only.
Wi-Fi / Bluetooth	Kit, Wireless LAN, North America (NA)	205-190-011 (a/b/g/n/ac/ax)	205-190-011 (a/b/g/n/ac/ax)	205-190-011 (a/b/g/n/ac/ax)	50177263-001 (b/g/n)	50177263-001 (b/g/n)	No	No	Yes	
	Kit, Wireless LAN, Rest Of World (ROW)	205-190-011 (a/b/g/n/ac/ax)	205-190-011 (a/b/g/n/ac/ax)	205-190-011 (a/b/g/n/ac/ax)	203-183-420 (b/g/n) - Red PCB 203-183-420 (a/b/g/n) - Green PCB	203-183-420 (b/g/n) - Red PCB 203-183-420 (a/b/g/n) - Green PCB	No	No	Yes	
Label Dispenser	Self Strip (Label Dispenser)	 205-187-001	 205-189-001	 205-188-001	 203-184-410	 203-184-510	No	Yes	Yes	PC43 self strip is compatible with PC45.
Cutter	Cutter Kit	 205-187-006	-	 205-188-006	 203-184-420 203-184-423	 203-184-520 203-184-523	No	Yes	Yes	PC43 cutter can be used in PC45 but this will need the retract distance setting value changed.
	Linerless Cutter Kit	 205-187-004	-	-	-	-	No	Yes	Yes	PC43 cutter can be used in PC45 but this will need the retract distance setting value changed.
Cutter Tray	Cutter Tray	 205-187-001	-	 205-187-001	 203-188-100	 203-188-100	No	Yes	Yes	
Bases	Power Adapter Basebay	-	-	-	 203-187-410	-	No	No	Yes	Not supported on PC45.
	Battery Basebay	-	-	-	 203-187-420	 213-047-001	No	No	Yes	Not supported on PC45.
Springs	Heavy Duty Springs for Thicker Media	 213-004-004	 213-004-004	 213-004-004	 213-004-004	 213-004-004	Yes	Yes	Yes	
Media Lock	Media Lock	 203-188-200	 203-188-200	 203-188-200	 203-188-200	 203-188-200	Yes	Yes	Yes	

\*Subject to change without notice

# PC 45 VS PC43 CONNECTIVITY

## CONNECTIVITY

	 <b>PC45d</b>	 <b>PC45d Healthcare</b>	 <b>PC45t</b>	 <b>PC43d</b>	 <b>PC43t</b>
<b>Communications</b>					
USB Host	Standard (1x USB-A Front, 1x USB-A Rear)	Standard (1x USB-A Front, 1x USB-A Rear)	Standard (1x USB-A Front, 1x USB-A Rear)	Standard (1x USB-A Front, 1x USB-A Rear)	Standard (1x USB-A Front, 1x USB-A Rear)
USB Client	Standard (1x USB-B Rear)	Standard (1x USB-B Rear)	Standard (1x USB-B Rear)	Standard (1x USB-B Rear)	Standard (1x USB-B Rear)
Serial	Optional / SKU Dependent  203-182-100 USB to Serial Cable	Optional / SKU Dependent  203-182-100 USB to Serial Cable	Optional / SKU Dependent  203-182-100 USB to Serial Cable	Optional  203-182-100 USB to Serial Cable	Optional  203-182-100 USB to Serial Cable
Parallel	Not supported	Not supported	Not supported	Optional  203-182-110 USB to Parallel Cable	Optional  203-182-110 USB to Parallel Cable
Ethernet	Standard	Standard	Standard	Optional / SKU Dependent  203-183-410 Ethernet Module	Optional / SKU Dependent  203-183-410 Ethernet Module
Wi-Fi / Bluetooth / Near Field Communication (NFC)	Optional / SKU Dependent  205-190-011 Wi-Fi/BT Module/ NFC	Optional / SKU Dependent  205-190-011 Wi-Fi/BT Module/ NFC	Optional / SKU Dependent  205-190-011 Wi-Fi/BT Module/ NFC	Optional / SKU Dependent  203-183-420 Wi-Fi/BT Module	Optional / SKU Dependent  203-183-420 Wi-Fi/BT Module
Apple iOS MFi Certification	Supported via Bluetooth, requires Wi-Fi / Bluetooth / Near Field Communication (NFC) card to be installed	Supported via Bluetooth, requires Wi-Fi / Bluetooth / Near Field Communication (NFC) card to be installed	Supported via Bluetooth, requires Wi-Fi / Bluetooth / Near Field Communication (NFC) card to be installed	Not supported	Not supported
4G LTE Cellular Modem	Optional  205-190-008 Cellular Modem	Optional  205-190-008 Cellular Modem	Optional  205-190-008 Cellular Modem	Not supported	Not supported

**THANK  
YOU**

**Honeywell**