

# HP Barcode Scanner for Retail Systems



## Retail Solutions



Barcode scanners designed to help you customize the exact retail solution you need.

Designing a robust retail solution requires putting together the right mix of components. The barcode scanner is used every day, all day, so it's important to pick the best product for your specific environment. HP has a range of scanners to help you find the perfect fit.

### **HP Linear Barcode Scanner II**

Deliver an efficient customer experience with the handheld HP Linear Barcode Scanner II, which reads common 1D barcodes, including barcodes from mobile devices, and keeps your associates comfortable with an ergonomic Design that can be used by hand or set in the stand for presentation use.

### **HP Imaging Barcode Scanner**

This extended functionality scanner reads 1D and 2D barcodes and barcodes from mobile devices and captures images. The versatile design can be used by hand or in hands-free presentation mode. User-friendly features include omnidirectional scanning, an intuitive aiming pattern, and excellent motion tolerance. Plastic molding helps protect against minor drops while the comfortable grip supports long hours of use.

### **HP Presentation Barcode Scanner**

This on-counter presentation scanner offers a sleek design, small footprint, and efficient capture of most common 1D and 2D barcodes, including barcodes from mobile devices. Mounting brackets on the base of the scanner allow it to be mounted to most surfaces so you can flexibly place it where you need it.

### **Supported by the brand you trust**

The comprehensive suite of HP retail peripherals can help you design a complete retail solution that's just right for your business. HP's worry-free maintenance includes a standard three-year limited warranty and a range of HP Care Pack Services.<sup>1</sup>

## HP Barcode Scanners for Retail Systems

	HP Linear Barcode Scanner II	HP Imaging Barcode Scanner	HP Presentation Barcode Scanner
<b>Product number</b>	Z1Z36AA/AT	BW868AA	QY439AA
<b>Reading technology</b>	Linear Imager	Imager	Imager
<b>Type of barcode read</b>	1D barcodes	1D and 2D barcodes	1D and 2D barcodes
<b>Visual and audible good read confirmation</b>	Yes	Yes	Yes
<b>Light source</b>	LEDs	LEDs	LEDs
<b>Decoding capabilities</b>	1D / Linear codes: Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes. Postal codes: China Post Stacked codes: EAN/JAN Composites; GSI DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; UPC A/E Composites	1D / Linear codes: Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes. 2D / codes: Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code Postal codes: Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM45CC) Stacked codes: EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites	1D / Linear codes: Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes. 2D codes: Aztec Code; Data Matrix; MaxiCode; QR Code Stacked codes: GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417
<b>Interfaces</b>	Keyboard Wedge / OEM (IBM) USB / RS -232 /USB	GD4410: RS-232 / IBM 46XX / USB Multi-Interface GD4430: RS-232 / USB / Keyboard Wedge / Wand Multi-Interface	RS-232; USB; OEM USB, USB COM, USB HID Keyboard, USB TEC
<b>Environmental</b>	Ambient light: 100,000 lux Drop resistance: Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface. ESD protection: 16 kV Humidity (non-condensing): 90% Particulate and water sealing: IP42 Temperature: Operating: 0 to 50 °C / 32 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F	Ambient light: 0 - 100,000 lux Drop resistance: Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface. ESD protection: 16 kV Humidity (non-condensing): 5 - 95% Particulate and water sealing: IP42 Temperature: Operating: 0 to 50 °C / 32 to 122 °F Storage/Transport: -20 to 70 °C / -4 to 158 °F	Ambient light: Indoor: 0 to 6,000 lux; Outdoor: 0 to 86,000 lux Drop resistance: Withstands repeated drops from 1.2 m / 4.0 ft onto a concrete surface ESD protection: 20 kV Humidity (non-condensing): 5 - 95% Particulate and water sealing: IP52 Temperature: Operating: 0 to 40 °C / 32 to 104 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F
<b>Reading ranges</b> <b>Typical depth of field</b>	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. 4 mils: 4.5 to 18.0 cm / 1.7 to 7.1 in 5 mils: 2.0 to 18.0 cm / 0.8 to 7.1 in 7.5 mils: 2.0 to 30.0 cm / 0.8 to 11.8 in 10 mils: 2.0 to 44.0 cm / 0.8 to 17.3 in 13 mils: 2.0 to 58.0 cm / 0.8 to 22.8 in 20 mils: up to 75.0 cm / up to 29.2 in	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. <b>GD4400 Standard Range (SR)</b> Code 39: 5 mils: 4.0 to 19.0 cm / 1.6 to 7.5 in Code 39: 10 mils: 1.0 to 30.0 cm / 0.4 to 11.8 in Data Matrix: 10 mils: 2.0 to 16.0 cm / 0.8 to 6.3 in Data Matrix: 15 mils: 0 to 23.6 cm / 0 to 9.3 in EAN-13: 13 mils: 1.5 to 40.0 cm / 0.6 to 15.7 in PDF417: 10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in QR Code: 10 mils: 3.0 to 12.5 cm / 1.2 to 4.9 in <b>GD4400 High Density (HD)</b> Code 39: 3 mils: 2.4 to 9.1 cm / 0.9 to 3.6 in Code 39: 5 mils: 0.8 to 11.3 cm / 0.3 to 4.5 in Data Matrix: 5 mils: 2.8 to 6.1 cm / 1.1 to 2.4 in EAN-13: 13 mils: 1.1 to 17.2 cm / 0.4 to 6.8 in PDF417: 4 mils: 1.8 to 6.8 cm / 0.7 to 2.7 in PDF417: 10 mils: 0 to 14.3 cm / 0 to 5.6 in QR Code: 6.7 mils: 2.1 to 4.2 cm / 0.8 to 1.7 in	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. <b>1D / Linear Codes</b> 5 mils: 0 to 2.5 cm / 0 to 1.0 in 7.5 mils: 0 to 8.2 cm / 0 to 3.2 in 10 mils: 0 to 12.7 cm / 0 to 5.0 in 13 mils UPC: 0 to 15.2 cm / 0 to 6.0 in <b>2D Codes</b> 6.6 mils PDF417: 0 to 7.6 cm / 0 to 3.0 in 10 mils Data Matrix: 0.6 to 3.1 cm / 0.2 to 1.2 in 10 mils PDF417: 0 to 12.7 cm / 0 to 5.0 in 15 mils PDF417: 0 to 15.2 cm / 0 to 6.0 in 24 mils Data Matrix: 0 to 12.7 cm / 0 to 5.0 in
<b>Cable length</b>	6.5 ft (1.9 m)	6.5 ft (1.9 m)	6.5 ft (1.9 m)
<b>Dimensions</b>	6.4 x 3.6 x 1.6 in (16.3 x 9.1 x 4.1 cm)	4.9 x 2.8 x 7.1 in (10.0 x 7.1 x 18.1 cm)	6.0 x 3.0 x 4.0 in (15.2 x 7.6 x 10.1 cm)
<b>Weight</b>	5.2 oz (147.3 g)	8.0 oz (226.7 g)	10 oz (283.5 g)
<b>Warranty</b>	Three (3) year limited warranty with advance exchange when purchased from HP. Additional HP Care Pack Services options are available to extend warranty coverage. <sup>1</sup>		

<sup>1</sup> To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at [hp.com/go/lookuptool](http://hp.com/go/lookuptool). Additional HP Care Pack Services information by product is available at [hp.com/hps/carepack](http://hp.com/hps/carepack). Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations.

<sup>2</sup> Base must be connected to a PC or retail hardware platform with the included USB cable to charge the scanner.

Learn more at  
[hp.com/go/POS](http://hp.com/go/POS)

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4AA4-6652ENW, April 2017

