

HP Barcode Scanner for Retail Systems



Retail Solutions



Barcode scanners designed to help you customize the exact 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.

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 limited warranty and a range of HP Care Pack Services.¹



HP Engage One 2D Barcode Scanner

Deliver an efficient customer experience with the breathtaking HP Engage One 2D Barcode Scanner, HP's smallest, slimmest barcode scanner, designed to complement the HP Engage One. It reads mobile wallets, digital coupons, and printed barcodes and can be used by hand or in presentation mode.

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.

HP Wireless Barcode Scanner

Minimize clutter in the workspace with a smart wireless scanner that reads a range of codes and recharges in the included presentation stand.



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 it in the stand for presentation use.

HP Engage One Prime Barcode Scanner

Deliver an efficient customer experience with the breathtaking HP Engage One Prime Barcode Scanner, an ultra-small, ultra-slim barcode scanner designed to complement the HP Engage One Prime.





HP Value Barcode Scanner

Enable easy scanning from the store floor to the back office with HP Value Barcode Scanner, which reads a range of codes, including 1D/2D barcodes and codes from mobile devices.

HP Barcode Scanners for Retail Systems

	HP Engage One 2D Barcode Scanner	HP Imaging Barcode Scanner	HP Presentation Barcode Scanner
Product number	Black: 1RL97AA White: 3GS20AA	BW868AA	QY439AA
Reading technology	2D Imager	Imager	Imager
Type of barcode read	1D and 2D barcodes	1D and 2D barcodes	1D and 2D barcodes
Visual and audible good read confirmation	Yes	Yes	Yes
Light source	White LED	LEDs	LEDs
Decoding capabilities	Linear: Codabar; Code 11; Code 128; Code 2 of 5; Code 39; Code 93 and 93i; EAN/JAN-13; EAN/JAN 8; IATA Code 2 of 5; Interleaved 2 of 5; Matrix 2 of 5; MSI; GS1 DataBar; UPC-A; UPC-E; UPC-A/EAN-13 with Extended Coupon Code; Coupon GS1 Code 32 (PARAF); EAN-UCC Emulation. 2D Stacked: Codablock A; Codablock F; PDF417; MicroPDF417. 2D Matrix: Aztec Code; Data Matrix; MaxiCode; QR Code; Chinese Sensible (Han Xin) Code. Postal Codes: Australian Post; British Post; Canadian Post; China Post; Japanese Post; Korea Post; Netherlands Post; Planet Code; Postnet.	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; Planet Code; Postnet; Royal Mail Code (RM4SCC). 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.
Interfaces	USB	USB 2.0	USB
Environmental	Humidity (non-condensing): 0 - 95% Operating: 0 to 50 °C (32 to 122 °F) Storage/Transport: -40 to 70 °C (-40 to 158 °F)	Drop resistance: Withstands repeated drops from 1.8 m (5.9 ft) onto a concrete surface. Humidity (non-condensing): 5 - 95% Operating: 0 to 40 °C (32 to 104 °F) Storage/Transport: -40 to 70 °C (-40 to 158 °F)	Drop resistance: Withstands repeated drops from 1.2 m (4.0 ft) onto a concrete surface Humidity (non-condensing): 5 - 95% Operating: 0 to 40 °C (32 to 104 °F) Storage/Transport: -40 to 70 °C (-40 to 158 °F)
Reading ranges Typical depth of field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. Code 39: 10 mil: 2.8 to 33.02 cm (1.1 to 13.0 in) Code 128: 10 mil: 2.8 to 33.02 cm (1.1 to 13.0 in) 100% UPC-A: 4.6 to 41.91 cm (1.8 to 16.5 in) Aztec: 10 mil: 5.3 to 20.32 cm (2.1 to 8.0 in) PDF-417: 6.7 mil: 4.6 to 18.28 cm (1.8 to 7.2 in) Datamatrix: 10 mil: 5.3-20.32 cm (2.1 to 8.0 in)	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. Code 39: 5 mil: 0.8 to 11.3 cm (0.3 to 4.5 in) Code 39: 10 mil: 1.0 to 30 cm (0.4 to 11.8 in) Code 39: 20 mil: 4.5 cm (up to 1.7 in) Data Matrix: 10 mil: 2.0 to 16 cm (0.8 to 6.3 in) Data Matrix: 15 mil: 0 to 23.6 cm (0 to 9.3 in) EAN/UPC: 13 mil: 1.5 to 40 cm (0.6 to 15.7 in) EAN/UPC: 7.5 mil: 2.0 to 27 cm (0.5 to 10.6 in) PDF417: 6.6 mil: 2.5 to 15 cm (1.1 to 5.9 in) PDF417: 10 mil: 0.5 to 22 cm (0.2 to 8.6 in) PDF417: 15 mil: 1.5 to 34 cm (0.6 to 13.4 in) QR Code: 10 mil: 3 to 12.5 cm (1.2 to 4.9 in) QR Code: 15 mil: 1 to 19 cm (0 to 7.5 in)	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. 1D / Linear Codes 5 mil: 0 to 2.5 cm (0 to 1.0 in) 7.5 mil: 0 to 8.2 cm (0 to 3.2 in) 10 mil: 0 to 12.7 cm (0 to 5.0 in) 13 mil UPC: 0 to 15.2 cm (0 to 6.0 in) 2D Codes 6.6 mil PDF417: 0 to 7.6 cm (0 to 3.0 in) 10 mil Data Matrix: 0.6 to 3.1 cm (0.2 to 1.2 in) 10 mil PDF417: 0 to 12.7 cm (0 to 5.0 in) 15 mil PDF417: 0 to 15.2 cm (0 to 6.0 in) 24 mil Data Matrix: 0 to 12.7 cm (0 to 5.0 in)
Cable length	2 m (6.5 ft)	2 m (6.5 ft)	2 m (6.5 ft)
Dimensions	125 x 44 x 76.8 mm (4.92 x 1.73 x 3.02 in)	100 x 71 x 181 mm (4.9 x 2.8 x 7.1 in)	152 x 76 x 101 mm (6.0 x 3.0 x 4.0 in)
Weight	130 g (4.59 oz)	226.7 g (8.0 oz)	283.5 g (10 oz)
Warranty	Three (3) year limited warranty with advance exchange when purchased from HP. Additional HP Care Pack Services options are available to extend warranty coverage. ¹		

¹ To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at 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.

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

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4AA4-6652ENW, April 2019



HP Barcode Scanners for Retail Systems

	HP Value Barcode Scanner	HP Wireless Barcode Scanner	HP Linear Barcode Scanner II
Product number	4AK34AA	E6P34AA	Z1Z36AA
Reading technology	2D Linear Imager	Imager	Linear Imager
Type of barcode read	1D and 2D barcodes	1D and 2D barcodes	1D barcodes
Visual and audible good read confirmation	Yes	Yes	Yes
Light source	White LED	LEDs	LEDs
Decoding capabilities	1D Codes: Code128; UCC/EAN-128; EAN-8; EAN-13; ISBN; UPC-E; UPC-A; Interleaved 2 of 5; ITF-6; ITF-14; Matrix 2 of 5; Industrial 2 of 5; Standard 2 of 5; Code39; Codabar; Code 93; Code 11; Plessey; MSI-Plessey; GS1-DataBar. 2D Codes: PDF417; QR Code (QR1/2, Micro); Data Matrix (ECC200, ECC000, 050, 080, 100, 140); Chinese Sensible(Han Xin) code. Postal Codes: USPS Postnet; Royal Mail; KIX Post; Australian Post.	1D / LINEAR CODES Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes. 2D Codes: Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; QR Code. Postal Codes: Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC) 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. Stacked Codes: EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; UPC A/E Composites.
Interfaces	USB	USB 2.0	USB
Environmental	Drop resistance: Withstands repeated drops from 1.2 m (4.0 ft) onto a concrete surface. Humidity (non-condensing): 5 - 95% Operating: -20 to 60 °C (-4 to 140 °F) Storage/Transport: -40 to 70 °C (-40 to 158 °F)	Drop resistance: Withstands repeated drops from 1.8 m (5.9 ft) onto a concrete surface.	Drop resistance: Withstands repeated drops from 1.5 m (5.0 ft) onto a concrete surface. Humidity (non-condensing): 90% Particulate and water sealing: IP42 Operating: 0 to 50 °C (32 to 122 °F) Storage/Transport: -40 to 70 °C (-40 to 158 °F)
Reading ranges Typical depth of field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. EAN-13: 13 mil: 60-215mm (2.4-8.5 in) QR Code: 15 mil: 40-105mm (1.6-4.1 in)	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. Code 39: 5 mil: 4.0 to 19.0 cm (1.6 to 7.5 in) Code 39: 10 mil: 1.0 to 30.0 cm (0.4 to 11.8 in) Data Matrix: 10 mil: 2.0 to 16.0 cm (0.8 to 6.3 in) Data Matrix: 15 mil: 0 to 23.6 cm (0 to 9.3 in) EAN-13: 13 mil: 1.5 to 40.0 cm (0.6 to 15.7 in) PDF417: 10 mil: 0.5 to 22.0 cm (0.2 to 8.6 in) QR Code: 10 mil: 3.0 to 12.5 cm (1.2 to 4.9 in)	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. 4 mil: 4.5 to 18.0 cm (1.7 to 7.1 in) 5 mil: 2.0 to 18.0 cm (0.8 to 7.1 in) 7.5 mil: 2.0 to 30.0 cm (0.8 to 11.8 in) 10 mil: 2.0 to 44.0 cm (0.8 to 17.3 in) 13 mil: 2.0 to 58.0 cm (0.8 to 22.8 in) 20 mil: up to 75.0cm (up to 29.2 in)
Cable length	1.8 m (6 ft)	Wireless	2 m (6.5 ft)
Dimensions	125 x 44 x 76.8 mm (4.92 x 1.73 x 3.02 in)	186 x 99 x 56 mm (7.25 x 3.9 x 2.2 in)	163 x 91 x 41 mm (6.4 x 3.6 x 1.6 in)
Weight	115 g (4.1 oz)	245 g (8.64 oz)	147.3 g (5.2 oz)
Warranty	Three (3) year limited warranty with advance exchange when purchased from HP. Additional HP Care Pack Services options are available to extend warranty coverage. ¹		

¹ To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at 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.

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

Learn more at
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HP Engage One Prime Barcode Scanner

Product number	Black: 4VW58AA White: 4VW64AA
Reading technology	Imager
Type of barcode read	1D and 2D barcodes
Visual and audible good read confirmation	Yes
Light source	LEDs
Decoding capabilities	1D Codes: Code128; UCC/EAN-128; EAN-8; EAN-13; ISBN; UPC-E; UPC-A; Interleaved 2 of 5; ITF-6; ITF-14; Matrix 2 of 5; Industrial 2 of 5; Standard 2 of 5; Code39; Codabar; Code 93; Code 11; Plessey; MSI-Plessey; GS1-DataBar. 2D Codes: PDF417; QR Code (QR1/2, Micro); Data Matrix (ECC200, ECC000, 050, 080, 100, 140); Chinese Sensible(Han Xin) code. Postal Codes: USPS Postnet; Royal Mail; KIX Post; Australian Post.
Interfaces	USB
Environmental	Drop resistance: Withstands repeated drops from 1.2 m (4.0 ft) onto a concrete surface
Reading ranges	
Typical depth of field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. EAN-13: 13 mil: 60mm-215 mm (2.4in-8.5 in) QR Code: 15 mil: 40mm-105 mm (1.6in-4.1 in)
Cable length	2 m (6.5 ft)
Dimensions	145 x 101 x 68 mm (5.7 x 3.97 x 2.7 in)
Weight	115 g (4.1 oz)
Warranty	Rest easy that your IT investment is supported by a one-year standard limited warranty.

¹ To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at 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.

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