

Overview

HP Engage Imaging Barcode Scanner II



Model

HP Engage Imaging Barcode Scanner II

5YQ08AA

Introduction

Used in conjunction with HP Point of Sale Systems, the HP Engage Imaging Barcode Scanner II offers an enhanced feature set to improve information collection.

Durable design, enhanced performance capabilities and improved motion tolerance maximize the transaction experience for both retailers and their customers.

Overview

Key Features and Benefits

- Decodes most common 1D and 2D barcodes; camera mode imager captures labels or signatures for enhanced data collection
- Omnidirectional operation allows symbol or image capture regardless of the orientation of the scanner for quicker reading
- Enhanced motion tolerance and technology allow quick reading of barcodes from mobile devices
- Intuitive feedback following a successful read indicated by a sound and shown by both a green light on the scanner as well as a visual change from the red aiming pattern to a green dot. This allows for quick and accurate scanning and improved productivity.
- Scanner can be used as a handheld device or stored in the stand and operated hands-free for operational flexibility

Overview

Compatibility

The HP Engage Imaging Barcode Scanner II is compatible with HP Retail Point of Sale Systems.

NOTE: Not all Point of Sale system models are available in all regions.

Service and Support

Three (3) year limited warranty with advance exchange when purchased from HP.

Technical Specifications

General

Scanner Type	Omnidirectional Imager																
Source	1 Megapixel: 1280 x 800 pixel																
Light source	Aiming: Red laser 650 nm Illumination: Warm white LED																
Depth of Field	Typical Performance *																
	<table><thead><tr><th>Narrow Width</th><th>Depth of Field</th></tr></thead><tbody><tr><td>Code 39</td><td>5 mils: 7.0 to 38.0 cm (2.7 to 14.9 in)</td></tr><tr><td>Code 39</td><td>10 mils: 2.2 to 58.0 cm (0.8 to 22.8 in)</td></tr><tr><td>Data Matrix</td><td>10 mils: 5.5 to 27.0 cm (2.2 to 10.6 in)</td></tr><tr><td>Data Matrix</td><td>15 mils: 2.8 to 41.0 cm (1.1 to 16.1 in)</td></tr><tr><td>EAN-13</td><td>13 mils: 1.0 to 71.0 cm (0.4 to 27.9 in)</td></tr><tr><td>PDF-417</td><td>10 mils: 2.5 to 41.0 cm (1.0 to 16.1 in)</td></tr><tr><td>QR Code</td><td>10 mils: 5.5 to 24.0 cm (2.2 to 9.5 in)</td></tr></tbody></table>	Narrow Width	Depth of Field	Code 39	5 mils: 7.0 to 38.0 cm (2.7 to 14.9 in)	Code 39	10 mils: 2.2 to 58.0 cm (0.8 to 22.8 in)	Data Matrix	10 mils: 5.5 to 27.0 cm (2.2 to 10.6 in)	Data Matrix	15 mils: 2.8 to 41.0 cm (1.1 to 16.1 in)	EAN-13	13 mils: 1.0 to 71.0 cm (0.4 to 27.9 in)	PDF-417	10 mils: 2.5 to 41.0 cm (1.0 to 16.1 in)	QR Code	10 mils: 5.5 to 24.0 cm (2.2 to 9.5 in)
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Symbol Contrast	15% minimum reflectance																
Roll (tilt)	360°																
Pitch	± 65°																
Skew	± 65°																
1D decode symbologies	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.																
2D decode symbologies	Aztec Code China Han Xin Code Data Matrix MaxiCode Micro QR Code QR Code																
Postal decode symbologies	Australian Post British Post China Post IMB Japanese Post KIX Post Planet Code Postnet Royal Mail Code (RM4SCC)																
Stacked decode symbologies	EAN/JAN Composites GS1 DataBar Composites GS1 DataBar Expanded Stacked GS1 DataBar Stacked GS1 DataBar Stacked Omnidirectional MacroPDF MicroPDF417 PDF417 UPC A/E Composites																

Technical Specifications

Mechanical

Dimensions (L x W x H)	16.6 x 6.8 x 10.9 cm (6.5 x 2.7 x 4.3 in)
Weight	161.0 g (5.7 oz)
Cable length	2 m (6.5 ft)
Color	Black

Interface/Connection

Interface	USB
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Temperature

Operating	0 to 50 °C (32 to 122 °F)
Storage/transport	-40 to 70 °C (-40 to 158 °F)
Humidity (non-condensing)	0 ~ 95%

Power

Standby Current	< 90 mA @ 5V
Operating	<400 mA @ 5V; < 200 mA @ 12V

Drivers

Windows UBB HID-KB and OPOS & JPOS (via USB-COM mode drivers)

Reliability

Ambient Light	0 - 100,000 lux
Water Penetration	IP52
Protection	
Drop	1.8 m (6.0 ft)
ESD	16kV

Operating System

Compatible with:	Windows
	Windows 10 IoT Enterprise for Retail (64-bit)
	Windows 10 Pro (64-bit)
	Windows 8.1 Professional (64-bit)
	Windows Embedded Industry 8.1 Pro Retail (64-bit)
	Windows 7 Professional (32-bit and 64-bit)
	Windows Embedded POSReady 7 (32-bit and 64-bit)
	Windows Embedded POSReady 2009
	Linux
	Red Hat/Cento OS 6 and 7 (32-bit and 64-bit)
	Suse Linux® Enterprise POS 11 SP3 (32-bit and 64-bit)
	Ubuntu 14.04 LTS (32-bit and 64-bit)

Agency Certifications

FCC Part15, Class B, CE EMC Class B, IEC62471, RoHS

Option Kit Contents

HP Engage Imaging Barcode Scanner II, Scanner Stand, USB Cable.

Summary of Changes

Date of change:	Version History:		Description of change:
January 17, 2024	From v1 to v2	Changed	Power section
July 23, 2025	From v2 to v3	Changed	General section

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