

## HP Engage 2D G2 Barcode Scanner



### Model

HP Engage 2D G2 Barcode Scanner (Black)

6Y2V4AA

HP Engage 2D G2 Barcode Scanner (White)

6Y2V5AA

### Introduction

Deliver an efficient customer experience with the reliable, versatile, and efficient HP Engage 2D G2 Barcode Scanner, HP's smallest, slimmest barcode scanner. It reads mobile wallets, digital coupons, and printed barcodes, and can be used by hand or in presentation mode.

### Key Features and Benefits

- Quickly scan mobile wallets and digital coupons from customer mobile devices or printed 1D and 2D barcodes. Intuitive feedback confirms a successful read.
- Supports a wide variety of symbologies, including 1D, 2D, and OCR.
- Built into an IP42-sealed and drop-resistant (1.2 m/ 3.94 ft) housing, can stand up to tough environments.
- User-friendly illumination and aiming: Employs highly- visible laser aimer to achieve crisp and accurate targeting while using flicker-free white soft illumination to reduce eye strain and fatigue from long-time operation.
- Powerful data formatting capability: Allows customizing scanned data with ease and provides supporting software to address diverse application needs.

### Compatibility

The HP Engage 2D G2 Barcode Scanner is compatible with HP Retail & Industry Solutions 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. Additional HP Care Pack Services options are available to extend warranty coverage.

### General

<b>Scanner Technology</b>	Global Shutter
<b>Image Sensor</b>	1280 x 800 CMOS
<b>Light source/ illumination</b>	White LED
<b>Aiming</b>	650 nm red laser diode
<b>Read Rate</b>	60 frames/second
<b>Motion Tolerance</b>	20 cm/second
<b>Resolution</b>	>= 3 mil*
<b>Field of View</b>	Horizontal: 47°; vertical: 30°
<b>Typical Depth of Field</b>	Depth of Field distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

\*Test conditions: T=23 °C; Illumination=3001ux using incandescent lamp; sample barcodes made by Newland.

#### Typical Performance \*

Narrow Width	Depth of Field
Code 39	55 mm – 220 mm (5 mil)
Data Matrix	45 mm – 245 mm (10 mil)
EAN-13	45 mm – 450 mm (13 mil)
PDF417	55 mm – 195 mm (6.7 mm)
QR Code	20 mm – 320 mm (15 mil)

\* Performance may be impacted by bar code quality and environmental conditions.

**Min. Symbol Contrast** 20% minimum reflectance difference\*

\*Test conditions: T=23 °C; Illumination=3001ux using incandescent lamp; sample barcodes made by Newland.

**Scan Angle\***  
**Roll (tilt)** ± 360°

\*Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23 °C; Illumination=3001ux using incandescent lamp; 2D: QR Code; 10 Bytes; Resolution=1Smil; PCS=0.8.

**Pitch** ± 55°  
**Skew** ± 60°

**Additional Features** Data parsing (driver license parsing), data formatter  
**Symbologies** **1D**

AIM 128  
Codabar  
Code 11 (with one or two check digits)  
Code 39 (Regular and including full ASCII)  
Code 49  
Code 93

Code 128  
Code 16K  
Coupon  
Febraban  
GS1-128 (UCC/ EAN-128)  
GS1 Composite (EAN UCC Composite)  
GS1 Databar (RSS)  
Industrial 2 of 5  
Interleaved 2 of 5  
ISBN  
ISBT 128  
ISSN  
ITF-6  
ITF-14  
Matrix 25  
MSI- Plessey  
Plessey  
Standard 2 of 5  
UPC/EAN- 8  
UPC/EAN- 13  
UPC/EAN- (A)  
UPC/EAN- (E)

### **2D**

Aztec  
Chinese Sensible Code  
Code One  
Datamatrix  
Datamatrix (2D inversed)  
GM Code  
GS1 DataBar Expanded Stacked  
GS1 DataBar Expanded Omni-directional  
Maxicode  
MicroPDF417  
PDF417  
QR Codes (QR, Micro QR and Multiple QR)

### **Postal**

Australian Post  
China Post 25  
Kix Post (Netherlands)  
Postal Codes  
Royal Mail  
USPS Intelligent Mail  
USPS Planet  
USPS Postnet

### **Mechanical/ Electrical**

<b>Dimensions (H x W x D)</b>	160 x 44 x 33 mm (6.30 x 1.73 x 1.18 in)
<b>Cable length</b>	1.8m (5.9 ft)
<b>Color</b>	Ebony Black or Ceramic White
<b>Power Typical Current</b>	5V – 255.76 mA

<b>Weight</b>	130g (4.59 oz)
<b>Interface</b>	USB-A
<b>Input Voltage</b>	5.0 Vdc +/- 5%
<b>Typical Current</b>	5V – 255.76 mA

### Environmental

<b>Operating Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Storage Temperature</b>	-40°C to 70°C (-40°F to 158 °F)
<b>Humidity</b>	5% to 95% relative humidity, non-condensing
<b>ESD</b>	±15KV (air discharge); ±8KV (contact discharge)
<b>Drop</b>	1.2m (3.94 ft)
<b>Sealing</b>	IP42

### Drivers

Windows USB COM, OPOS, and JPOS

### Operating System

<b>Compatible with:</b>	<b>Windows</b> Win 11 Pro 64-bit Win 10 Pro 64-bit Windows 10 IoT Enterprise LTSC 2021 64-bit Windows 10 IoT Enterprise LTSC 2019 64-bit Windows 10 IoT Enterprise LTSB 2016 64-bit
	<b>Linux</b> Ubuntu 20.04.1 LTS Ubuntu-18.04.6-desktop-amd64 Ubuntu-20.04.4.0-desktop-amd64 Ubuntu-22.04.0.0-desktop-amd64 RHEL 9.0-x86_64 SLE-12-SP5-Server-x86_64 SLE-15-SP3-x86_64 Debian-11.3.0-amd64

### Agency Certifications

FCC Part 15 Class B, CE EMC Class B, KCC, VCCI

### Option Kit Contents

HP Engage 2D G2 Barcode Scanner with attached 5.9 ft (1.8M) USB cable, scanner stand

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<b>Date of change:</b>	<b>Version History:</b>	<b>Description of change:</b>
February 22, 2023	From v1 to v2	Changed Symbologies section
March 17, 2023	From v2 to v3	Changed Model section
May 11, 2023	From v3 to v4	Changed Mechanical/ Electrical section
May 24, 2023	From v4 to v5	Changed Image page 1
February 15, 2024	From v5 to v6	Changed format page 1

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