

### HP Engage 2D G2 Barcode Scanner



#### Model

HP Engage 2D G2 Barcode Scanner (Black)  
HP Engage 2D G2 Barcode Scanner (White)

6Y24VAA  
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=3001 ux 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=3001 ux 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=3001 ux using incandescent lamp; 2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

**Pitch** ± 55°  
**Skew** ± 60°

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

### Symbologies

<b>1D (Linear)</b>	AIM 128 Codabar Code 11 Code 39 Code 49 Code 93 Code 128
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Code 16K  
 Coupon  
 EAN-8  
 EAN-13  
 Febraban  
 GS1-128 (UCC/ EAN-128)  
 GS1 Composite (EAN UCC Composite)  
 GS1 Databar (RSS)  
 Industrial 25  
 Interleaved 2 of 5  
 ISBN  
 ISBT 128  
 ISSN  
 ITF-6  
 ITF-14  
 Matrix 25  
 MSI-Plessey  
 Plessey  
 Standard 25  
 UPC-A  
 UPC-E

### 2D

Aztec Barcode  
 Chinese Sensible Code  
 Code One  
 Data Matrix  
 GM Code  
 MaxiCode  
 MicroPDF417  
 Micro QR Code  
 PDF417  
 QR Code

### Postal Codes

Australian Post  
 China Post 25  
 KIX Post (Netherlands)  
 Royal Mail (UK)  
 USPS Intelligent Mail  
 USPS Postnet

### Mechanical/ Electrical

**Dimensions (H x W x D)** 160 x 44 x 33 mm (6.30 x 1.73 x 1.18 in)  
**Cable length** 1.8m (5.9 ft)  
**Color** Ebony Black or Ceramic White  
**Power Typical Current** 5V – 255.76 mA  
**Weight** 130g (4.59 oz)  
**Interface** USB  
**Input Voltage** 5.0 Vdc +/- 5%  
**Typical Current** 5V – 255.76 mA

### Environmental

**Operating Temperature** -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

#### Compatible with:

#### Windows

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 LTSC 2016 64-bit

#### Linux

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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Date of change:	Version History:	Description of change:
	From v1 to v2	

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