## 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**

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

*Test conditions: T=23℃; 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.

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|---|---|
| **Min. Symbol Contrast** | 20% minimum reflectance difference* |

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

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

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

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|---|---|
| **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**

| | |
|---|---|
| **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 |

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

**Environmental**

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

| Date of change: | Version History: | Description of change: |
|---|---|---|
| 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 |