

COGNEX MOBILE BARCODE SOFTWARE DEVELOPMENT KIT (SDK)

Simple, enterprise-grade barcode scanning for mobile devices

Whether developing a barcode reading application for the front office, light industrial use, or harsher warehouse and factory floor environments, the Cognex Mobile Barcode Software Development Kit (SDK) provides enterprise-grade barcode scanning in a unified solution.

Our software decoding library offers unmatched performance and value for a broad range of barcode scanning applications and has been optimized for today's smart devices. With support for most operating systems and cross-platform tools like Cordova, Xamarin, React Native, Native Script, Flutter, and even web browsers, the SDK can be used in virtually any hardware and programming environment.



The Cognex Mobile Barcode SDK can be used with any supported device, including:

- Smartphone and tablet cameras
- Windows and Linux systems with USB cameras
- Most web browsers (no application needed)



Data Matrix



UPC



QR



Code 128



Aztec Code



Interleaved 2 of 5

Broad range of symbology and platform support

The Cognex Mobile Barcode SDK supports iOS devices including the Apple® iPhone®, iPad®, and iPod touch®, most Android® smartphones and tablets, as well as Windows, Linux, and embedded systems. It can read over 20 different 1D and 2D barcode symbologies used across a wide range of industries.

- **1D Codes:** UPC/EAN/JAN, Codabar, Code 11, Code 25, Code 32, Code 39, Code 93, Code 128, GS1 DataBar, Interleaved 2 of 5, MSI Plessey, Telepen
- **2D Codes:** Data Matrix, QR, Micro QR, PDF417, MicroPDF, MaxiCode, Aztec Code, DotCode
- **Postal Codes:** POSTNET, PLANET, Intelligent Mail Barcode, Australian Post, Royal Mail

Powerful decode algorithms

Damaged codes and challenging lighting conditions are no match for Cognex Mobile Barcode SDK. The SDK algorithms can quickly decode codes in low light even with glare regardless if the code is skewed or blurry.

Reliable mobile barcode reading performance

The Cognex Mobile Barcode SDK is designed to provide fast and reliable barcode reading on smartphones and tablets for field service, courier and parcel delivery, and logistics applications.

Barcode scanning from a web browser

With the Cognex Mobile Barcode SDK for Web, websites and web applications can scan barcodes without the need for a native app. Barcode scanning is easy with virtually any desktop or mobile browser, including Chrome, Safari, Firefox, Microsoft Edge, Opera, and others.



Couriers and Parcel Delivery

Flexible design allows a common mobile app on smartphones or tablets for high speed barcode reading of packages and parcels.



Field Service and Utilities

Easily integrates scanning capabilities to existing mobile phones to read a variety of codes on work orders, replacement parts, and installed equipment.



Logistics and Transportation

Develop mobile applications to read barcodes on products, product packaging, and shipping labels for warehousing or freight delivery.

For more information, visit the **Cognex Mobile Barcode Developer Network**: <https://cmbdn.cognex.com>

SPECIFICATIONS

Operating Systems	iOS, Android, Windows, Linux, MacOS. Contact us for others.
Supported IDEs	Xcode®, Android Studio, Visual Studio
Development Languages	C, C++, C#, Objective C, Swift, Java, Python
Frameworks	Xamarin/Xamarin.Forms, Flutter, Cordova, Ionic, React Native, NativeScript
Supported Devices	iOS (iPhone, iPod, iPad), Android (most phones and tablets), Windows (tablets, servers, desktops), drones, wearables, Linux/embedded systems including Raspberry Pi
Standard Formats (Parsers)	UID/IUID, IBST, HIBC, GS1, AAMVA, SCM
Supported Symbolologies	UPC/EAN/JAN, Codabar, Code 11, Code 25, Code 32, Code 39, Code 93, Code 128, GS1 DataBar, Interleaved 2 of 5, MSI Plessey, Telepen, Data Matrix, QR, Micro QR, PDF417, MicroPDF, MaxiCode, Aztec Code, DotCode, POSTNET, PLANET, Intelligent Mail Barcode, Australian Post, Royal Mail

COGNEX

Companies around the world rely on Cognex vision and barcode reading solutions to optimize quality, drive down costs and control traceability.

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