



The C# Barcode Library

- # Generate QR & Barcodes in C# & VB .NET Applications
- # Read Barcodes & QR Codes from Scanned Images
- # Supports .NET Core, Standard & Framework



PM > Install-Package BarCode

ironsoftware.com/csharp/barcode



Barcode Quickstart

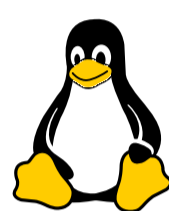
```
1. using IronBarcode;
2.
3.
4. /*****      WRITE      *****/
5.
6. // Create A Barcode in 1 Line of Code
7. BarcodeWriter.CreateBarcode("https://ironsoftware.com/csharp/barcode",
8. BarcodeWriterEncoding.QRCode).SaveAsJpeg("QuickStart.jpg");
9.
10. /*****      READ      *****/
11.
12. // Read A Barcode in 1 Line of Code. Gets Text, Numeric Codes, Binary Data and
13. an Image of the barcode
14. BarcodeResult Result = BarcodeReader.QuicklyReadOneBarcode("QuickStart.jpg");
15.
16. // Assert that IronBarcode Works :-)
17. if (Result!=null && Result.Text == "https://ironsoftware.com/csharp/barcode")
```



When you need to read, write,
and style QR & Barcodes, fast.

Supported Platforms

Designed for C#, F#, & VB.NET running on .NET 5, Core, Standard, or Framework



IronBarcode Features

Compatibility

Languages:

- C#
- VB.NET
- F#

Platforms:

- .NET 5
- .NET Core 2x & 3x
- .NET Standard 2
- .NET Framework 4x

App Types:

- Console, Web, & Desktop

OS:

- Microsoft Windows
- Linux (Debian, CentOS, Ubuntu)
- MacOS
- Docker (Windows, Linux, Azure)
- Azure (VPS, Webapps, Websites, Fuctions)

IDEs:

- Microsoft Visual Studio
- JetBrains ReSharper & Rider

Barcode Formats

QR & 2D Matrix:

- QR (+ Styled QR)
- Aztec
- Data Matrix
- MaxiCode (Read Only)
- USPS IM Barcode (Read Only)

Modern Linear Barcodes:

- Code 39
- Code 128
- PDF417
- Rss14 (Read Only)
- RSS Expanded (Read Only)

Older Linear Barcodes:

- UPC-A
- UPC-E
- EAN-8
- EAN-13
- Codabar
- ITF
- MSI
- Plessey

Reading Barcode

Read Many Image Formats:

- Images (jpg, png, gif, tiff, bmp)
- Multipage Gif & Tiff
- System.Drawing Objects
- Streams
- PDFs

Set Accuracy & Performance:

- Single / Multi Barcode
- Reading
- Specify Crop Regions
- Set Output Format
- Multithreading Support

Image Correction:

- Noise reduction
- Contrast enhancement
- Orientation alignment

Output Data Formats:

- Text Data
- Numerical Data
- Binary Data
- Barcode Image

Writing Barcode

Simple Data Outputs:

- Images (jpg, png, gif, tiff, bmp)
- System.Drawing Objects
- Streams
- HTML (DataURL, file, or img)
- PDF (File, Stream, or Binary)
- Existing PDF (Stamp position)

Encoding Barcode Data:

- Text, urls, IDs, numbers, & binary data

Checking Fault Tolerance:

- Null Check
- Checksums
- Format Aware
- Detailed Error messages
- Custom QR Error Correction

Styling Barcodes:

- Resizing
- Margins & Borders
- Recoloring
- Add text annotations
- Add logos to QR

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<https://ironsoftware.com/csharp/barcode/licensing/>

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 **IRONPDF** Read, edit, and sign PDFs. HTML to PDF for .NET.

 **IRONXL** Use Excel with no Office Interop required.

 **IRONOCR** OCR (extract text from images) in 127 languages.

 **IRONWEBCRAPER** Scrape structured data from websites.

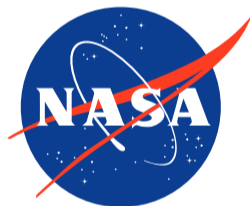
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