



The C# Barcode Library

- # Generate Barcodes in C# & VB .NET Applications
- # Read Barcodes from Scanned Images
- # Supports .NET 9, 8, 7, 6, Core, Standard, Framework

 PM > Install-Package BarCode

ironsoftware.com/csharp/barcode

Barcode Quickstart

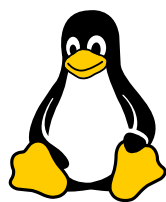
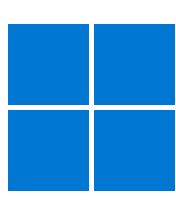
```
1. using IronBarcode;
2.
3.
4. /*****      WRITE      *****/
5.
6. // Create A Barcode in 1 Line of Code
7. BarcodeWriter.CreateBarcode("https://ironsoftware.com/csharp/barcode",
8. BarcodeWriterEncoding.QRCode).SaveAsJpeg("QuickStart.jpg");
9.
10. /*****      READ      *****/
11.
12. // Read A Barcode 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 Barcodes, fast.

Cross Platform Support

Designed for **C#, F#, & VB.NET** running on **.NET 9, 8, 7, 6, Core, Standard, or Framework**



IronBarcode Features

Compatibility	Barcode Formats	Reading Barcode	Writing Barcode
<p>.NET Languages:</p> <ul style="list-style-type: none">C#, VB.NET, F# <p>Platforms:</p> <ul style="list-style-type: none">.NET 9, 8, 7, 6 & 5.NET Core 2x & 3x.NET Standard 2.NET Framework 4.6.2+ <p>App Types:</p> <ul style="list-style-type: none">Console, Web, & Desktop <p>Operating Systems:</p> <ul style="list-style-type: none">Microsoft WindowsmacOsLinuxDockerAzureAWS <p>IDEs:</p> <ul style="list-style-type: none">Microsoft Visual StudioJetbrains ReSharper & Rider	<p>QR & 2D Matrix:</p> <ul style="list-style-type: none">QR CodeStyled QR CodeAztecData MatrixMaxiCodeUSPS Intelligent Mail Barcode <p>Modern Linear Barcodes:</p> <ul style="list-style-type: none">Code 39Code 128GS1-128PDF417RSS14RSS Expanded <p>Older Linear Barcodes:</p> <ul style="list-style-type: none">UPC-AUPC-EEAN-8EAN-13CodaBarITF (Interleaved Two of Five)MSIPlessey	<p>Read Many Image Formats:</p> <ul style="list-style-type: none">ImagesMultipage ImagesIronDrawingSystem.Drawing ObjectsStreamsPDF <p>Set Accuracy & Performance:</p> <ul style="list-style-type: none">Single/Multi Barcode ReadingSpecify Crop RegionsSet Output FormatMultithreading Support <p>Image Correction Filters:</p> <ul style="list-style-type: none">Adaptive ThresholdBinary ThresholdBrightnessContrastInvertSharpen <p>Output Data Formats:</p> <ul style="list-style-type: none">Create barcodes out of texts, numbers or binary dataUTF-8 characters supported	<p>Write to Document Types:</p> <ul style="list-style-type: none">ImageSystem.Drawing ObjectsStreamsHTMLPDF (new and existing) <p>Encoding Barcode Data:</p> <ul style="list-style-type: none">Text, URLs, bytes, streams, and numbers <p>Checking Fault Tolerance:</p> <ul style="list-style-type: none">Null CheckingChecksumsFormat AwarenessDetailed Error MessagesCustom QR Error Correction <p>Styling Barcodes:</p> <ul style="list-style-type: none">ResizingMargins & BordersRecoloringAdd Text AnnotationsAdd Logos to QR Codes

This features table was updated May, 2025.
For the latest visit ironsoftware.com/csharp/barcode

IRON

BARCODE

|

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Iron Suite for .NET

IRON


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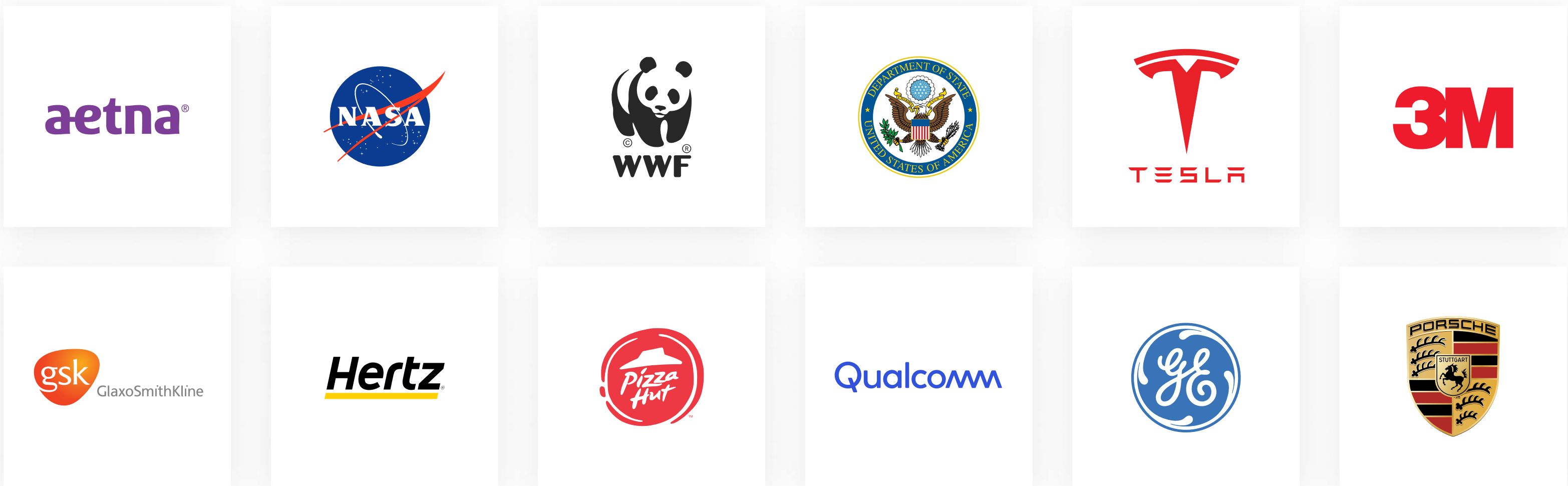
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What Developers Say About Iron C# Libraries

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Milan Jovanović
Microsoft MVP

The IronSuite play a crucial role in our operations. These are tools that increase efficiencies across the business including creating floor plans and improving inventory management.



David Jones
Lead Software Engineer, Agorus Build

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Chief Technology Officer, OPYN



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