




# The C# QR Code Library

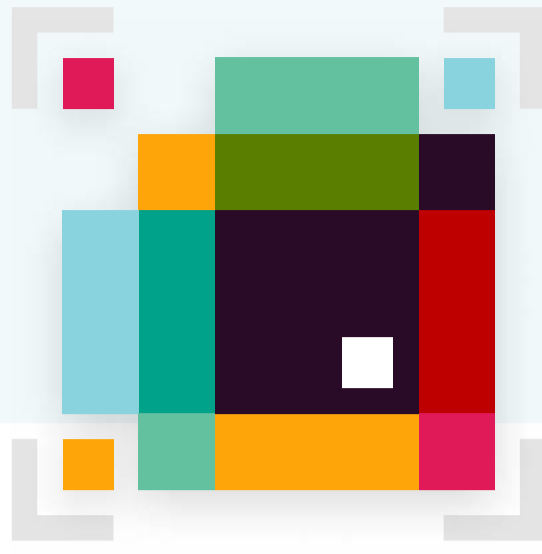
- # Generate, Read, & Style QR Codes on Desktop, Mobile, and Cloud
- # Custom Machine Learning Model reads any QR Code
- # Fully supports .NET 8, 7, 6, Core, Standard, Framework

 PM > Install-Package IronQR

[ironsoftware.com/csharp/qr](https://ironsoftware.com/csharp/qr)

## QR Quickstart

```
1. using IronQr;
2. using IronSoftware.Drawing;
3.
4. // Create a QR Code object
5. QrCode myQr = QrWriter.Write("hello world");
6.
7. // Save QR Code as a Bitmap
8. AnyBitmap qrImage = myQr.Save();
9.
10. // Save QR Code Bitmap as File
11. qrImage.SaveAs("qr.png");
```



**When you need to read, write,  
and style QR codes, fast.**

## Cross Platform Support

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



## IronQR Features

Compatibility	Reading QR Codes	Writing QR Codes
<p><b>.NET Versions:</b></p> <ul style="list-style-type: none"> <li>• <b>C#, VB.NET, F#</b></li> <li>• <b>.NET Core</b> (8, 7, 6, 5, and 3.1+)</li> <li>• <b>.NET Standard</b> (2.0+)</li> <li>• <b>.NET Framework</b> (4.6.2+)</li> </ul> <p><b>.NET Project Types:</b></p> <ul style="list-style-type: none"> <li>• <b>Web</b> (Blazor &amp; WebForms)</li> <li>• <b>Mobile</b> (Xamarin &amp; MAUI)</li> <li>• <b>Desktop</b> (WPF &amp; MAUI)</li> <li>• <b>Console</b> (App &amp; Library)</li> </ul> <p><b>App Environments:</b></p> <ul style="list-style-type: none"> <li>• <b>Windows</b> (10+, Server 2016+)</li> <li>• <b>Linux</b> (Ubuntu, Debian, CentOS, etc.)</li> <li>• <b>Apple macOS</b> (10+)</li> <li>• <b>Apple iOS</b> (12+)</li> <li>• <b>Android API 21+</b> (v5 "Lollipop")</li> <li>• <b>Docker</b> (Windows, Linux, Azure)</li> <li>• <b>Azure</b> (VPS, WebApp, Function)</li> <li>• <b>AWS</b> (EC2, Lambda)</li> </ul> <p><b>IDEs:</b></p> <ul style="list-style-type: none"> <li>• <b>Microsoft Visual Studio</b></li> <li>• <b>JetBrains ReSharper &amp; Rider</b></li> </ul>	<p><b>Read Many Image Formats:</b></p> <ul style="list-style-type: none"> <li>• <b>Images</b> (jpg, png, svg, bmp)</li> <li>• <b>Multipage Images</b> (gif, tif, tiff)</li> <li>• <b>System.Drawing Bitmaps</b></li> <li>• <b>IronDrawing Images</b> (AnyBitmap)</li> </ul> <p><b>Machine Learning Model:</b></p> <ul style="list-style-type: none"> <li>• <b>Custom QR Detection Model</b></li> <li>• <b>Slim Mode option</b> (non-ML)</li> </ul> <p><b>Output Data Formats:</b></p> <ul style="list-style-type: none"> <li>• <b>Value</b> (String)</li> <li>• <b>Link or Website</b> (Uri)</li> <li>• <b>Coordinates</b> (PointF)</li> </ul> <p><b>Supports:</b></p> <ul style="list-style-type: none"> <li>• <b>Async</b></li> <li>• <b>Multithreading</b></li> </ul>	<p><b>Write to Document Types:</b></p> <ul style="list-style-type: none"> <li>• <b>Image</b> (jpg, png, gif, tiff, bmp)</li> <li>• <b>System.Drawing Images</b></li> <li>• <b>IronDrawing Images</b> (AnyBitmap)</li> <li>• <b>Stream</b> (MemoryStream, byte[])</li> <li>• <b>PDF</b> (Stamp on Existing PDF)</li> </ul> <p><b>Encoding Data in QR Code:</b></p> <ul style="list-style-type: none"> <li>• <b>Text, URLs, bytes, and numbers</b></li> </ul> <p><b>Styling QR Codes:</b></p> <ul style="list-style-type: none"> <li>• <b>Resizing</b></li> <li>• <b>Margins &amp; Borders</b></li> <li>• <b>Recoloring</b></li> <li>• <b>Add Logos to QR Codes</b></li> </ul> <p><b>Checking Fault Tolerance:</b></p> <ul style="list-style-type: none"> <li>• <b>Choose QR Version</b></li> <li>• <b>Null Checking</b></li> <li>• <b>Checksums</b></li> <li>• <b>Format Awareness</b></li> <li>• <b>Detailed Error Messages</b></li> <li>• <b>Custom QR Error Correction</b></li> </ul>

This features table was updated November, 2024.  
For the latest visit [ironsoftware.com/csharp/qr](https://ironsoftware.com/csharp/qr)

# IRONQR | Team Licenses

Single product licensed by developers, locations and projects



## Which perpetual license fits your project needs?

Coverage based on number of developers, organization locations, and projects.

IRONQR	IRONQR	IRONQR <b>MOST POPULAR</b>	IRONQR
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<ul style="list-style-type: none"> <li>✓ 1 developer</li> <li>✓ 1 location</li> <li>✓ 1 project</li> </ul>	<ul style="list-style-type: none"> <li>✓ 3 developers</li> <li>✓ 3 locations</li> <li>✓ 3 projects</li> </ul>	<ul style="list-style-type: none"> <li>✓ 10 developers</li> <li>✓ 10 locations</li> <li>✓ 10 projects</li> </ul>	<ul style="list-style-type: none"> <li>✓ Unlimited developers</li> <li>✓ Unlimited locations</li> <li>✓ Unlimited projects</li> </ul>
	<ul style="list-style-type: none"> <li>♥ Email support (48h SLA)</li> <li>♥ 24/5 Live Chat support</li> </ul>	<ul style="list-style-type: none"> <li>♥ Email support (24h SLA)</li> <li>♥ 24/5 Live Chat support</li> <li>♥ Screen-sharing support</li> </ul>	<ul style="list-style-type: none"> <li>♥ Email support (12h SLA)</li> <li>♥ 24/5 Live Chat support</li> <li>♥ Screen-sharing support</li> <li>♥ Slack connect support</li> </ul>
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	<p><b>SDK Redistribution</b></p> <p>Not Available</p>	<p><b>SDK Redistribution</b></p> <p><b>\$7,999</b> for 500 API Deployments. Need More? Buy <b>Enterprise</b></p>

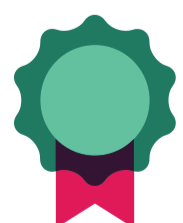
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<p><b>5 Year</b></p> <p>One-time purchase today</p> <p>\$749</p>	<p><b>5 Year</b></p> <p>One-time purchase today</p> <p>\$1,499</p>	<p><b>5 Year</b></p> <p>One-time purchase today</p> <p>\$2,999</p>	<p><b>5 Year</b></p> <p>One-time purchase today</p> <p>\$5,999</p>

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All licenses include:

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- ✓ Valid for dev/staging/production
- ✓ 1 year of product support & updates
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## Which perpetual license fits your project needs?

Coverage based on number of developers, organization locations, and projects.

IRONQR ONLY	IRON SUITE	IRON SUITE <span style="color: red; font-weight: bold;">MOST POPULAR</span>	IRON SUITE
<p><b>Lite</b></p> <p><small>▲ Lite only available for single product Licenses</small></p>	<p><b>Plus</b> <b>\$2,998 USD</b></p> <ul style="list-style-type: none"> <li>✓ 3 developers</li> <li>✓ 3 locations</li> <li>✓ 3 projects</li> </ul> <ul style="list-style-type: none"> <li>♥ Email support (48h SLA)</li> <li>♥ 24/5 Live Chat support</li> </ul>	<p><b>Professional</b> <b>\$5,998 USD</b></p> <ul style="list-style-type: none"> <li>✓ 10 developers</li> <li>✓ 10 locations</li> <li>✓ 10 projects</li> </ul> <ul style="list-style-type: none"> <li>♥ Email support (24h SLA)</li> <li>♥ 24/5 Live Chat support</li> <li>♥ Screen-sharing support</li> </ul>	<p><b>Unlimited</b> <b>\$11,998 USD</b></p> <ul style="list-style-type: none"> <li>✓ Unlimited developers</li> <li>✓ Unlimited locations</li> <li>✓ Unlimited projects</li> </ul> <ul style="list-style-type: none"> <li>♥ Email support (12h SLA)</li> <li>♥ 24/5 Live Chat support</li> <li>♥ Screen-sharing support</li> <li>♥ Slack connect support</li> </ul> <p>For best coverage consider <b>Enterprise</b></p>

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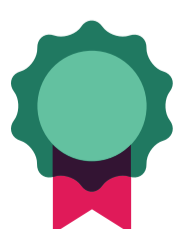
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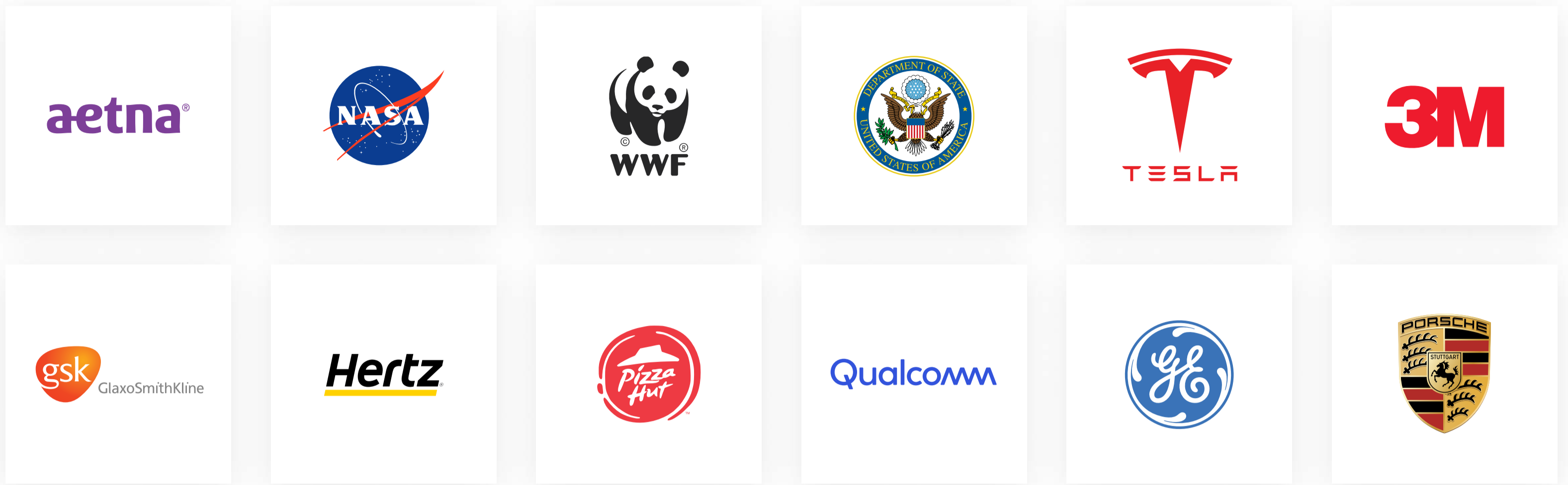
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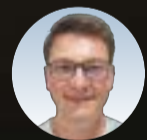
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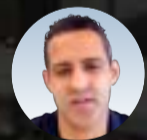
## What Developers Say About Iron C# Libraries

My favorite library of this kind is IronPDF. It allows for fast and efficient manipulation of PDF files. It also has many valuable features, like exporting to PDF/A format and digitally signing PDF documents.



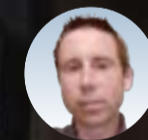
**Milan Jovanović**  
Microsoft MVP

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

IronOCR means we can save \$40,000 annually from manual processing, while enhancing productivity and freeing up resources for high-impact tasks. I would highly recommend it.



**Brent Matzelle**  
Chief Technology Officer, OPYN



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