



# The C# Excel Library

- # Intuitive C# & VB.NET Excel Document API
- # No need to install Microsoft Office or Excel Interop
- # Read, edit & create Excel spreadsheet files
- # Fully supports .NET 8, 7, 6, Core, Framework, and Azure

```
PM > Install-Package IronXL.Excel
```

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

## Read Excel Files without Interop

```
1. // using IronXL;
2. using System.Linq;
3.
4. //Supported spreadsheet formats for reading
5. include: XLSX, XLS, CSV and TSV
6. Workbook workbook = Workbook.Load("test.xlsx");
7. Worksheet sheet = workbook.WorkSheets.First();
8.
9. //Select cells easily in Excel notation and return
10. the calculated value
11. int cellValue = sheet["A2"].IntValue;
12.
13. // Read from Ranges of cells elegantly
```

# IronXL Features



The Excel API you need, without the Office Interop hassle.

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

## Compatibility

### .NET Languages:

- C#, VB.NET, F#

### Platforms:

- .NET 8, 7, 6 & 5
- .NET Core 2x & 3x
- .NET Standard 2
- .NET Framework 4.6.2+

### App Types:

- Console, Web, & Desktop

### Operating Systems:

- Microsoft Windows
- macOS
- Linux
- Docker
- Azure
- AWS

### IDEs:

- Microsoft Visual Studio
- JetBrains ReSharper & Rider

### Certification:

- Microsoft Authenticode

## Workbooks

### Create or Load Spreadsheets:

- XLS
- XLSX, XSLT, XLSM
- CSV
- TSV

### Save or Export Formats:

- XLS
- XLSX, XSLT, XLSM
- CSV
- TSV
- JSON
- HTML
- Binary
- Byte Array

### System.Data Objects:

- Import and export as DataSet or DataTable

### Edit Workbooks:

- Metadata
- Permissions & Passwords
- Create and Remove Worksheets
- Set Sheet Position
- Set Active Tab

## Worksheets

### Edit Formulas:

- Works with Excel formulas
- Recalculation on sheet edit

### Sort Data:

- Range
- Column
- Row

### Create and Edit Charts:

- Area, Bar, Column, Lines, Pie, Scatter

### Edit Layout:

- Freeze Panes
- Autosize Rows/Columns
- Add and Remove Rows/Columns

### Edit Worksheets:

- Duplicate Worksheets
- Protect with Password
- Group and Ungroup
- Add, Remove, and Extract Images

## Cell Ranges

### Cell Range Functions:

- Sort
- Trim
- Clear
- Copy
- Find and Replace
- Set Hyperlinks
- Merge and Unmerge Cells

### Style Cells:

- Font and Size
- Border and Alignment
- Background Pattern
- Conditional Formatting

### Maths Functions:

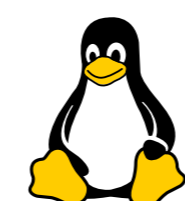
- Average and Sum
- Min and Max

### Set Cell Data Formats:

- Text, Number, Formula, Date, Currency, Scientific, Time, Boolean, Custom Formats

## Cross Platform Support

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



# IRONXL | Team Licenses

Single product licensed by developers, locations and projects



All licenses include:




- ✓ 30-day money-back guarantee
- ✓ 1 year of product support & updates
- ✓ Valid for dev/staging/production
- ✓ Perpetual license (no recurring fees)

## Which perpetual license fits your project needs?

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

Free 30-day trial available

**MOST POPULAR**

 <p><b>Lite</b> <b>\$749</b> USD</p> <ul style="list-style-type: none"> <li>✓ 1 developer</li> <li>✓ 1 location</li> <li>✓ 1 project</li> </ul> <hr/> <ul style="list-style-type: none"> <li>♥ Email support</li> </ul>	 <p><b>Plus</b> <b>\$1,499</b> USD</p> <ul style="list-style-type: none"> <li>✓ 3 developers</li> <li>✓ 3 locations</li> <li>✓ 3 projects</li> </ul> <hr/> <ul style="list-style-type: none"> <li>♥ Email (24h) &amp; Chat support</li> <li>♥ Phone support</li> </ul>	 <p><b>Professional</b> <b>\$2,999</b> USD</p> <ul style="list-style-type: none"> <li>✓ 10 developers</li> <li>✓ 10 locations</li> <li>✓ 10 projects</li> </ul> <hr/> <ul style="list-style-type: none"> <li>♥ Email (24h) &amp; Chat support</li> <li>♥ Phone support</li> <li>♥ Screen sharing support</li> </ul> <p><b>25/50/100</b> Professional tiers available, or go <b>Unlimited</b> with Monthly or Enterprise</p>
<p align="center"><b>Support &amp; Product Update Extensions</b> Provides access to product updates, security feature upgrades, and support</p>		
<p align="center"><b>Yearly Subscription</b> \$249 per year First year free, cancel anytime</p> <hr/> <p align="center"><b>5 Year</b> \$499 One-time purchase today</p>	<p align="center"><b>Yearly Subscription</b> \$499 per year First year free, cancel anytime</p> <hr/> <p align="center"><b>5 Year</b> \$999 One-time purchase today</p>	<p align="center"><b>Yearly Subscription</b> \$999 per year First year free, cancel anytime</p> <hr/> <p align="center"><b>5 Year</b> \$1,999 One-time purchase today</p>
<p align="center"><b>Royalty-free redistribution coverage</b> Royalty-free redistribution coverage required for packaged software products, SaaS, and OEM.</p>		
<p align="center"><b>⚠ Not available</b> Please choose Plus or Professional for coverage options</p>	<p align="center">\$1,499</p>	<p align="center">\$1,499</p>

Visit our [IronXL Licensing](#) page for more details.



# IRONSUITE | Team Licenses

All 9 Products for the [Price of 2](#)



All licenses include:

- ✓ 30-day money-back guarantee
- ✓ 1 year of product support & updates
- ✓ Valid for dev/staging/production
- ✓ Perpetual license (no recurring fees)

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[IRONXL](#)

[IRONOCR](#)

[IRONBARCODE](#)

[IRONQR](#)

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## Which perpetual license fits your project needs?

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Free 30-day trial available

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**MOST POPULAR**

### Support & Product Update Extensions

Provides access to product updates, security feature upgrades, and support

<p><b>Yearly Subscription</b> \$498 per year First year free, cancel anytime</p> <hr/> <p><b>5 Year</b> \$998 One-time purchase today</p>	<p><b>Yearly Subscription</b> \$998 per year First year free, cancel anytime</p> <hr/> <p><b>5 Year</b> \$1,998 One-time purchase today</p>	<p><b>Yearly Subscription</b> \$1,998 per year First year free, cancel anytime</p> <hr/> <p><b>5 Year</b> \$3,998 One-time purchase today</p>
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### Royalty-free redistribution coverage

Royalty-free redistribution coverage required for packaged software products, SaaS, and OEM.

<p><b>⚠ Not available</b> Please choose Plus or Professional for coverage options</p>	<p>\$2,998</p>	<p>\$2,998</p>
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Visit our [Iron Suite Licensing](#) page for more details.

# IRONSUITE | Unlimited Licenses

Free 30-day trial available

## Select the unlimited license that fits your needs?

Choose between a Monthly or Enterprise Perpetual license.


 **Monthly**  
**\$500** USD / month

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- ✓ **No lock-in contract**, cancel any time
- ✓ **Includes all ongoing product updates**

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🔗 **10,000 API calls** / month included  
🔗 **\$0.02** / API call after

 **Enterprise**  
**Request a Quote**

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- ✓ **Unlimited perpetual license**
- ✓ **No tracking** in dev or live deployment

---

🔗 **Unlimited API calls**

**ALL UNLIMITED**

## What's included in all Iron Suite Unlimited Licenses?

-  **Unlimited developers, locations, and projects**
-  **All Suite Products including OEM redistribution**
-  **Dedicated customer success & support managers**

Visit our licensing [Iron Suite Unlimited Licensing](#) page for more details.



 **IRONPDF** Create, read, and edit PDFs. HTML to PDF for .NET.

 **IRONWORD** Edit DOCX Word Files. No Office Interop required.

 **IRONXL** Edit Excel & CSV files. No Office Interop required.

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

 **IRONBARCODE** Read and write QR & Barcodes.

 **IRONQR** Read and write QR codes.

 **IRONZIP** Zip and unzip archives

 **IRONPRINT** Print documents in .NET applications

 **IRONWEBSCRAPER** Scrape structured data from websites.

Iron Suite for .NET

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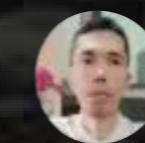
## What Developers Say About Iron C# Libraries

"IronPDF has great rendering quality and the team offer quick, informed technical support."



Jamie Ross Greig  
Our Property Bear

"Ultimately, when looking at the rest of the market, IronOCR was a more powerful solution because it had the highest throughput."



Eky Purnomo  
SanSaTek

"Based on performance, documentation, and more - IronPDF outperformed AsposePDF, iText and SyncFusion."



Jeff Fritz  
Microsoft MVP

IRONSUITE

IRONPDF

IRONWORD

IRONXL

IRONOCR

IRONBARCODE

IRONQR

IRONZIP

IRONPRINT

IRONWEBCRAWLER

This information is accurate as of February 2024 / v2024.2,  
for the latest information please look at our [website](#), or [contact our sales team](#).



# Licensing FAQ

## What is included in license coverage?

- **Perpetual Licensing:** Every license is a one-time purchase with no renewal fees.
- **Free Support & Product Updates:** Every license includes one free year of product updates & technical support services directly from the team that built the product. Extensions can be purchased at any time.  
[View Extensions.](#)
- **Immediate Licenses:** Registered license keys are delivered immediately after payment clears.

## What do developers, locations & projects mean?

- **License Coverage:** Coverage is based on the number of developers, organization locations, and projects, as defined below.
- **Developers:** The number of INDIVIDUALS or DEVELOPMENT MACHINES working on all projects using an Iron Product.
- **Locations:** Developer locations by city (Add Royalty-free Redistribution to unlock Unlimited Locations). [Watch video guide to locations.](#)
- **Projects:** Total historical count of Projects produced using a single Iron Product license key. Redistributable projects require additional Royalty-free Redistribution coverage.

## When is SaaS & OEM redistribution coverage required?

- **SaaS:** Connected to a SaaS or a paid subscription service.
- **OEM:** A product or distributable product for sale (software package, app, executable, etc.)

## Does Iron Software offer a money-back guarantee?

- All licenses are backed by a 30-day money-back guarantee.

## Can I try the product before purchasing a license?

- **Free for Development:** All products are free for development & testing within IDE, with no time restrictions. [Install via NuGet.](#)
- **Free Deployment Trial:** Want to try it in a live environment? Generate a free 30-day deployment trial key.

## Can I get a discount if I buy multiple product licenses?

- **Get 5 for the Price of 2:** We are proud to offer the [Iron Suite](#), all 9 Iron Software products for the price of 2. Save 60% with the complete .NET suite for your office.

## Can I purchase a license through my preferred reseller?

- **Purchase from a Reseller:** Iron teams up with reseller partners all over the globe. If you wish to work with your preferred reseller, please [contact us](#), and we'll be happy to support you. For a list of our current resellers, [please see here.](#)
- **Offer Iron Software as a Reseller:** If you are a reseller, please [get in touch](#) to partner with us.

## Can I upgrade my license level?

- **License Upgrades:** Whether your team has grown or your project needs have changed, you can upgrade your license at any time. Upgrade after purchase and pay only the difference in license price + \$100 USD upgrade fee. Your Support & Product Updates coverage will be extended from the date of purchase. [Contact us](#) to upgrade.
- **Add SaaS & OEM Redistribution Coverage:** You can add Royalty-Free Redistribution to existing licenses. Coverage is required for packaged software products, SaaS, and OEM. [Add Redistribution Coverage.](#)

# Licensing FAQ continued

## Can I extend my Support & Product Updates coverage?

- **License Add-Ons:** Add-ons can be purchased at any time.
- **Uninterrupted Technical Support & Product Updates:** One year of Support & Updates is automatically included with all new license purchases. After that, it automatically renews yearly. Renewal options can be adjusted at any point. If at time of purchase, you prefer not to set yearly renewals, [click here](#). Please be aware that purchasing support & updates as an add-on later is approximately 50% more expensive vs. our standard automatic renewals.
- **Support & Product Update Extensions:** You can extend your license's Support & Product Updates coverage at any time. Extend to uninterrupted coverage to access essential product updates, security feature updates, and support from our engineering team. [Extend your Support & Product Updates Coverage](#).

## Can I purchase non-renewing Support & Product Updates coverage?

- **Non-renewing option:** Yearly Support & Product Updates can be cancelled at any time, including within the first year. If you prefer a non-renewing option, a one time 5-year Support & Updates option is available. Extensions can be purchased at any time.
- **Savings:** Depending on the license chosen (Lite, Professional, Unlimited) you can save between 50% to 66% by choosing a 5-year support & product updates option, compared to a yearly plan.
- **Payment methods:** Some payment methods are not available with a renewing support option. In such cases we suggest a 5-year plan, a one-time non-renewing payment that offers all payment options, including wire transfer.

## Can I customize the EULA for my license?

- **Bespoke Licenses:** The EULA is set for all licenses. EULA [customization](#) requires purchase of an Unlimited Enterprise license, and can be arranged by contacting [sales@ironsoftware.com](mailto:sales@ironsoftware.com)

## Can I join the mailing list to be notified about product updates?

- **Mailing List:** Join our mailing list for the latest product updates, security fixes, and occasional promotional discounts. [Sign up here](#).

## How to add my license key to my project?

- Instructions on how to add Live Deployment and Trial licenses keys can be found [here](#).

## Can I talk to an expert about the best license for my needs?

- **Schedule a Call:** [Click Here](#) to request a phone call and schedule a time to speak with one of our sales representatives. Please be sure to leave an email address to enable our support team to reply to your request. You can also call 24/7 to leave a message at +1 (312) 500-3060.
- **Live Chat:** [Click here](#) to chat with a representative. The team covers global time zones and is available 24/5. If we're not online, please send us a message and your ticket will be answered via email.