



# 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.
14. foreach (var cell in sheet["A2:A10"])
15. {
16.     Console.WriteLine("Cell {0} has value '{1}'",
17.         cell.AddressString, cell.Text);
```



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

## Cross Platform Support

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

Also available for **Python**



## IronXL Features

### 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

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

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Single product licensed by developers, locations and projects



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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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