

Comparing WinForms Charts

Explore all of the features offered by FlexChart and MS Chart. You can download the matrix in [PDF](#).

Chart Types

| Chart Types | FlexChart | MS Chart |
|-------------------------|-----------|----------|
| Area | ✓ | ✓ |
| StackedArea | ✓ | ✓ |
| StackedArea100 | ✓ | ✓ |
| SplineArea | ✓ | ✓ |
| StackedSplineArea | ✓ | |
| StackedSplineArea100 | ✓ | |
| StepArea | ✓ | |
| Bar | ✓ | ✓ |
| StackedBar | ✓ | ✓ |
| StackedBar100 | ✓ | ✓ |
| Bubble | ✓ | ✓ |
| CandleStick | ✓ | ✓ |
| Column | ✓ | ✓ |
| Combination | ✓ | ✓ |
| StackedColumn | ✓ | ✓ |
| StackedColumn100 | ✓ | ✓ |
| Histogram | ✓ | ✓ |
| Ranged Histogram | ✓ | ✓ |
| Stock/ HighLowOpenClose | ✓ | ✓ |
| Line | ✓ | ✓ |
| LineStacked | ✓ | |
| LineStacked100 | ✓ | |
| Spline | ✓ | ✓ |
| SplineStacked | ✓ | |
| SplineStacked100 | ✓ | |
| LineSymbols | ✓ | |
| StackedLineSymbols | ✓ | |
| StackedLineSymbols100 | ✓ | |

| | | |
|--------------------------|---|---|
| SplineSymbols | ✓ | |
| SplineSymbolsStacked | ✓ | |
| StackedSplineSymbols100 | ✓ | |
| Step | ✓ | |
| StepSymbols | ✓ | |
| Pie | ✓ | ✓ |
| Doughnut | ✓ | ✓ |
| PieExploded | ✓ | ✓ |
| DoughnutExploded | ✓ | ✓ |
| Point/ Scatter | ✓ | ✓ |
| Radar | ✓ | ✓ |
| Polar | ✓ | ✓ |
| Box-and-Whisker | ✓ | ✓ |
| ErrorBar | ✓ | ✓ |
| Funnel | ✓ | ✓ |
| Sunburst | ✓ | |
| TreeMap | ✓ | |
| Waterfall | ✓ | |
| 2D | ✓ | ✓ |
| Heikin-Ashi | * | |
| LineBreak/ThreeLineBreak | * | ✓ |
| Renko | * | ✓ |
| Kagi | * | ✓ |
| ColumnVolume | * | |
| EquiVolume | * | |
| CandleVolume | * | |
| ArmsCandleVolume | * | |
| FastLine | | ✓ |
| FastPoint | | ✓ |
| StepLine | | ✓ |
| RangeBar | | ✓ |
| RangeColumn | | ✓ |
| SplineRange | | ✓ |
| Range | | ✓ |

| | | |
|----------------|--|---|
| PointAndFigure | | ✓ |
| Pyramid | | ✓ |
| 3D | | ✓ |

* Available in FinancialChart

Data Binding

| Data Binding | FlexChart | MS Chart |
|--------------------|-----------|----------|
| MS SQL Server | ✓ | ✓ |
| OleDb | ✓ | ✓ |
| Odbc | ✓ | ✓ |
| Object Data Source | ✓ | ✓ |
| Oracle | ✓ | ✓ |
| SharePoint Objects | ✓ | ✓ |
| Unbound Data | | ✓ |

Chart Features

| Data Binding | FlexChart | MS Chart |
|----------------------------------|-----------|----------|
| Annotations | ✓ | ✓ |
| Axis binding | ✓ | ✓ |
| Customizable data labels | ✓ | ✓ |
| Customizable headers and footers | ✓ | ✓ |

Data Manipulations

| Data Manipulations | FlexChart | MS Chart |
|--------------------|------------------|----------|
| Aggregation | With custom code | ✓ |
| Sorting | With custom code | ✓ |
| TopN | With custom code | ✓ |

Core Features

| Core Features | FlexChart | MS Chart |
|--|-----------|----------|
| Handle Empty/ Null Data Points | ✓ | ✓ |
| HitTest | ✓ | ✓ |
| DirectX Rendering, GDI+, SVG Rendering | ✓ | |
| Trendlines | ✓ | |
| Coordinate Conversion | ✓ | ✓ |

| | | |
|---|---|---|
| Methods | | |
| Serialization Support | ✓ | ✓ |
| Annotations | ✓ | ✓ |
| Financial Analysis using predefined Indicators and Overlays | ✓ | ✓ |
| DataPoint Filtering | | ✓ |
| DataPoint Sorting | | ✓ |
| Grouping | | ✓ |
| DataPoints Searching | | ✓ |
| Copy/ Merge/ Split Series Data | | ✓ |
| Export to Dataset | | ✓ |
| Statistical Analysis using predefined formulas | | ✓ |
| LineMarkers | ✓ | ✓ |
| Multiple axes | ✓ | |
| Multiple plot areas | ✓ | |
| Sunburst Drilldown | ✓ | |
| TreeMap Drilldown | ✓ | |

Look & Feel

| Look & Feel | FlexChart | MS Chart |
|----------------------------------|-----------|-----------|
| Predefined Palettes | 16 | 12 |
| Custom Palette | ✓ | ✓ |
| Background Color | ✓ | ✓ |
| Background Image | ✓ | ✓ |
| Background Gradient/ HatchStyles | | ✓ |
| Border and Border Styles | | ✓ |
| Themes | 16 themes | 12 themes |

Chart Area

| Chart Area | FlexChart | MS Chart |
|------------------------|-----------|----------|
| Header | ✓ | ✓ |
| Footer | ✓ | |
| Multiple Headers | | ✓ |
| Header/ Footer Borders | ✓ | ✓ |

| | | |
|------------------------------|---|---|
| Header/ Footer Alignment | ✓ | ✓ |
| Rotate ChartArea | ✓ | |
| Multiple Chart or Plot Areas | ✓ | ✓ |
| Toggle Visibility | | ✓ |

Plot Area

| Plot Area | FlexChart | MS Chart |
|---|--|----------|
| Plot position configuration | | ✓ |
| Plot margins | ✓ | |
| Markers for PlotElements | Supported on FlexChart with LineSymbols/ SplineSymbols and Scatter chart types | ✓ |
| Markers Size | ✓ | ✓ |
| Markers as Images | | ✓ |
| Markers: Border and Border styling | | ✓ |
| Background Image/ Gradient/ HatchStyle for PlotElements | | ✓ |
| Border and Border styling for Plot Elements | | ✓ |
| Empty Points Styling | | ✓ |

Data Labels

| Data Labels | FlexChart | MS Chart |
|--------------------------------|--|--|
| Offset | ✓ | |
| ConnectingLines | ✓ | ✓ |
| Borders and Border styling | ✓ | ✓ |
| Styling | ✓ | ✓ |
| Format String | ✓ | ✓ |
| Custom Content | ✓ | |
| Positions for Cartesian charts | Bottom/ Center/ Left/ None/ Right/ Top | Only applies to bar charts. Outside/ Left/ Right/ Center |
| Positions for Pie charts | Center/ Inside/ Outside/ None | Inside/ Outside/ None |

Axes

| | | |
|--|--|--|
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| Axes | FlexChart | MS Chart |
|------------------------------|---|---------------------------------|
| Axes: Primary X/Y | ✓ | ✓ |
| Axes: Secondary X/Y | ✓ | ✓ |
| Axes: Multiple Secondary X/Y | ✓ | |
| Axis Label: Format strings | ✓ | |
| Axis Label: Hide | ✓ | ✓ |
| Axis Label: styling | ✓ | ✓ |
| Axis Range (Min/Max) values | ✓ | |
| Axis: Hide | ✓ | ✓ |
| Axis: Logarithmic | ✓ | ✓ |
| Axis: Reverse | ✓ | ✓ |
| AxisLine Styling | ✓ | ✓ |
| Labels: Alignment | ✓ | |
| Labels: Angle | ✓ | ✓ |
| Labels: Hide overlapping | ✓ | |
| Major/ Minor GridLines | ✓ | ✓ |
| Major/ Minor TickMarks | ✓ | ✓ |
| Major/ Minor Units | ✓ | ✓ |
| TickMarks Length | ✓ | |
| TickMarks Styling | ✓ | ✓ |
| Title and Title Styling | ✓ | ✓ |
| Configure Origin | Any value | Auto/ Min/ Max |
| TickMarks Position | Cross/ Inside/ Outside/ None | Cross/ Inside/ Outside/ None |
| Position | Top/ Bottom/ Left/ Right/ Auto/ None | |
| ArrowHead styling | | ✓ |
| Axis Label: Custom | | ✓ |
| Axis Label: Staggered | | ✓ |
| ScaleBreaks | | ✓ |

Series

| Series | FlexChart | MS Chart |
|-----------------|-----------|----------|
| Multiple Series | ✓ | ✓ |
| Data binding | ✓ | ✓ |

| | | |
|-----------------------------|--|-------------------------------|
| Chart types at series level | ✓ | ✓ |
| Styling | ✓ | ✓ |
| Visibility | Plot/ Legend/ Both Plot and Legend/ Hidden | Plot/ Plot and Legend/ Hidden |
| Conditional Formatting | ✓ | |
| Stacked charts | ✓ | |

Legends

| Legends | FlexChart | MS Chart |
|--------------------------------------|----------------------------|-----------------------------|
| Title | ✓ | ✓ |
| Title Style | ✓ | ✓ |
| TextWrap | ✓ | |
| Toggle Series Visibility from legend | ✓ | |
| Orientation | Auto/ Vertical/ Horizontal | Vertical/ Horizontal/ Table |
| Position | Left/ Top/ Right/ Bottom | Left/ Top/ Right/ Bottom |
| Custom Legend Items | | ✓ |
| Items Ordering | | ✓ |
| Multiple Legends | | ✓ |

Marker Symbols

| Marker Symbols | FlexChart | MS Chart |
|----------------|-----------|----------|
| Box | ✓ | ✓ |
| Dot | ✓ | ✓ |
| Diamond | | ✓ |
| Triangle | | ✓ |
| Cross | | ✓ |
| Star4 | | ✓ |
| Star5 | | ✓ |
| Star6 | | ✓ |
| Star10 | | ✓ |

User Interactions

| User Interactions | FlexChart | MS Chart |
|-------------------|-----------|----------|
| Tooltips | ✓ | ✓ |

| | | |
|-----------------------|------------------|------------------|
| Series selection | ✓ | ✓ |
| Point selection | ✓ | ✓ |
| Range Selection | ✓ | |
| Zooming | ✓ | ✓ |
| Scrolling | ✓ | ✓ |
| Drilldown | With custom code | With custom code |
| Draggable Annotations | | ✓ |

Tooltips

| Tooltips | FlexChart | MS Chart |
|---------------------------------------|-----------|------------------|
| Auto tooltips | ✓ | |
| Custom content | ✓ | String type only |
| Show Delay | ✓ | |
| Styling | ✓ | |
| String type only | | ✓ |
| Tooltips for different chart elements | | ✓ |

Financial Chart Features

| Financial Chart Features | FinancialChart | MS Chart |
|---------------------------------|----------------|----------|
| Bollinger bands overlays | * | |
| Envelope overlay | * | |
| Fibonacci tools | * | |
| Indicators | * | |
| MACD Indicator | * | |
| Moving averages | * | |
| Overlays | * | |
| Stochastic Oscillator Indicator | * | |
| Fibonacci tools | * | |

Pie Charts

| Pie Charts | FlexChart | MS Chart |
|-------------------------------|-----------|----------|
| Exploded slices | ✓ | ✓ |
| Inner Radius | ✓ | ✓ |
| Starting Angle of first slice | ✓ | ✓ |

Exporting, Importing & Printing

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|--|--|--|

| Exporting, Importing & Printing | FlexChart | MS Chart |
|---------------------------------|-----------|----------|
| Export to JPEG/ JPG | ✓ | ✓ |
| Export to PNG | ✓ | ✓ |
| Export to SVG | ✓ | |
| Export to BMP | | ✓ |
| Export to EMF | | ✓ |
| Export to EMfDual | | ✓ |
| Export to EMfPlus | | ✓ |
| Export to GIF | | ✓ |
| Export to TIFF | | ✓ |
| Save/ Load to Binary files | | ✓ |
| Save/ Load to memory streams | | ✓ |
| Save/ Load to XML | | ✓ |
| Printing | ✓ | ✓ |
| Print Support | ✓ | ✓ |

Footprint

| Footprint | FlexChart | MS Chart |
|---------------|-----------|----------|
| Assembly Size | 330KB | 904KB |

Pricing

| Pricing | FlexChart | MS Chart |
|---------|-----------|----------|
| Pricing | \$ | \$ |