

## Comparing FlexCharts

Explore all the features offered by FlexChart in WinForms, WPF and UWP. You can download the matrix in [PDF](#).

### Chart Types

Chart Types	Win	WPF	UWP
Area	✓	✓	✓
StackedArea	✓	✓	✓
StackedArea100	✓	✓	✓
SplineArea	✓	✓	✓
StackedSplineArea	✓	✓	✓
StepArea	✓	✓	✓
StackedSplineArea100	✓	✓	✓
Bar	✓	✓	✓
StackedBar	✓	✓	✓
StackedBar100	✓	✓	✓
Bubble	✓	✓	✓
CandleStick	✓	✓	✓
Column	✓	✓	✓
StackedColumn	✓	✓	✓
StackedColumn100	✓	✓	✓
Histogram	✓	✓	✓
RangedHistogram	✓	✓	✓
Pareto	✓	✓	✓
Gantt	✓	✓	✓
Floating Bar	✓	✓	✓
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	*	*	*

\* Available in FinancialChart

## Data Binding

Data Binding	Win	WPF	UWP
Objects implementing	✓	✓	✓

IEnumerable			
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## Core Features

Core Features	Win	WPF	UWP
Handle Empty/ Null Data Points	✓	✓	✓
HitTest	✓	✓	✓
Annotations	✓	✓	✓
Render Modes	Native/DirectX	Native/Direct2D/Direct3D	Native/Direct3D
Trendlines	✓	✓	✓
Coordinate Conversion Methods	✓	✓	✓
Batch Updates	✓	✓	✓
Serialization Support	✓	✓	✓
Sunburst Drilldown	✓	✓	✓
TreeMap Drilldown	✓	✓	✓

## Look & Feel

Look & Feel	Win	WPF	UWP
Predefined Palettes	16	16	16
Custom Palette	✓	✓	✓
Background Color	✓	✓	✓
Background Image	✓	✓	✓
Background Gradient/ HatchStyles	✓	✓	✓
Border and Border Styles	✓	✓	✓

## Chart Area

Chart Area	Win	WPF	UWP
Header	✓	✓	✓
Footer	✓	✓	✓
Header/Footer Borders	✓	✓	✓

Header/Footer Alignment	✓	✓	✓
Rotate ChartArea	✓	✓	✓

## Plot Area

Plot Area	Win	WPF	UWP
Plot margins	✓		
Markers for PlotElements	Supported on FlexChart with LineSymbols/SplineSymbols and Scatter chart types	Supported on FlexChart with LineSymbols/SplineSymbols and Scatter chart types	Supported on FlexChart with LineSymbols/SplineSymbols and Scatter chart types
Markers Size	✓	✓	✓
Markers: Border and Border styling	✓	✓	✓
Background Image/ Gradient/ HatchStyle for PlotElements	✓	✓	✓

## Data Labels

DataLabels	Win	WPF	UWP
Offset	✓	✓	✓
Connecting Lines	✓	✓	✓
Borders and Border styling	✓	✓	✓
Styling	✓	✓	✓
Format String	✓	✓	✓
Custom Content	✓	✓	✓
Manage overlapping	✓	✓	✓
Positions for Cartesian charts	Bottom/ Center/ Left/ None/ Right/ Top	Bottom/ Center/ Left/ None/ Right/ Top	Bottom/ Center/ Left/ None/ Right/ Top
Positions for Pie charts	Center/ Inside/ Outside/ None	Center/ Inside/ Outside/ None	Center/ Inside/ Outside/

			None
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## Annotations

Annotations	Win	WPF	UWP
Pre-defined Shapes	✓	✓	✓
Position	✓	✓	✓
Attaching Annotations	✓	✓	✓
Offset	✓	✓	✓
Styling	✓	✓	✓
Tooltip	✓	✓	✓
Connector	✓	✓	✓
Customization	✓	✓	✓

## Axis

Axis	Win	WPF	UWP
Axis: 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: Overlapping	✓	✓	✓
Axis: Reverse	✓	✓	✓
Axis Grouping	✓	✓	✓
AxisLine Styling	✓	✓	✓
Labels: Alignment	✓	✓	✓
Labels: Angle	✓	✓	✓
Labels: Overlapping	✓	✓	✓
Major/ Minor	✓	✓	✓

GridLines			
Major/ Minor TickMarks	✓	✓	✓
Major/ Minor Units	✓	✓	✓
Title and Title styling	✓	✓	✓
Configure Origin	Any value	Any value	✓
TickMarks Position	Cross/ Inside/ Outside/ None	Cross/ Inside/ Outside/ None	Cross/ Inside/ Outside/ None
Position	Top/ Bottom/ Left/ Right/ Auto/ None	Top/ Bottom/ Left/ Right/ Auto/ None	Top/ Bottom/ Left/ Right/ Auto/ None

## Series

Series	Win	WPF	UWP
Multiple Series	✓	✓	✓
Data binding	✓	✓	✓
Chart types at series level	✓	✓	✓
Styling	✓	✓	✓
Visibility	Plot/ Legend/ Both Plot and Legend/ Hidden	Plot/ Legend/ Both Plot and Legend/ Hidden	Plot/ Legend/ Both Plot and Legend/ Hidden
Conditional Formatting	✓	✓	✓
Stacked Groups	✓	✓	✓

## Legends

Legends	Win	WPF	UWP
Title	✓	✓	✓
Title Style	✓	✓	✓
Toggle Series Visibility from legend	✓	✓	✓
Orientation	Auto/ Vertical/ Horizontal	Auto/ Vertical/ Horizontal	Auto/ Vertical/ Horizontal
Position	Left/ Top/ Right/ Bottom	Left/ Top/ Right/ Bottom	Left/ Top/ Right/ Bottom
TextWrap	✓	✓	✓

Custom Legend Icon	✓	✓	✓
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## Marker Symbols

Marker Symbols	Win	WPF	UWP
Box	✓	✓	✓
Dot	✓	✓	✓

## User Interactions

User Interactions	Win	WPF	UWP
Tooltips	✓	✓	✓
Series selection	✓	✓	✓
Point selection	✓	✓	✓
LineMarkers aka Crosshairs	✓	✓	✓
Range Selector	✓	✓	✓
Zooming	✓	✓	✓
Scrolling	✓	✓	✓

## Tooltips

Tooltips	Win	WPF	UWP
Auto tooltips	✓	✓	✓
Custom content	✓	✓	✓
Show Delay	✓	✓	✓
Styling	✓	✓	✓
Tooltips for different chart elements			

## Pie Charts

Pie Charts	Win	WPF	UWP
Exploded slices	✓	✓	✓
Inner Radius	✓	✓	✓
Starting Angle of first slice	✓	✓	✓

## Exporting/Importing & Printing

Exporting/Importing & Printing	Win	WPF	UWP

Export to JPEG/ JPG	✓	✓	✓
Export to PNG	✓	✓	✓
Export to SVG	✓		
Export to BMP		✓	✓
Printing support	✓	✓	✓

## Footprint

Footprint	Win	WPF	UWP
Assembly Size	229KB	183KB	218KB