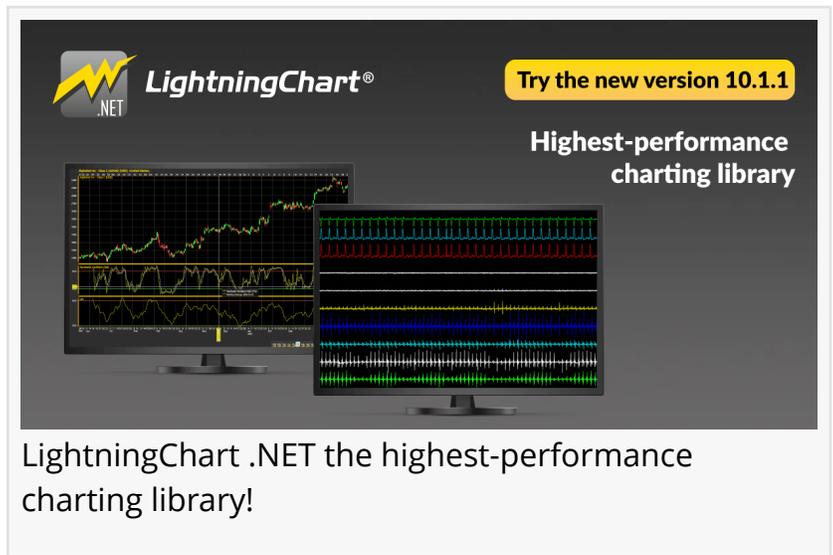# LightningChart® Defeats Every Other .NET Charting Library. Visualization Capacity Goes Up To 16 Billion Data Points

LightningChart® broke the limits of NET charting libraries achieving 16 billion data points rendering in real-time.

KUOPIO, NORTH SAVO, FINLAND, June 18, 2021 /EINPresswire.com/ -- [LightningChart®](#) has finally released its .NET charting library's newest [version 10.1.1](#) that solves the problem that other commercial and open-sourced libraries had in high-performance including real-time visualization and resource consumption.

LightningChart .NET the highest-performance charting library!

Our software development and data science teams have been working on launching an unbeatable updated version of LightningChart® for the past months. Our newest .NET Version 10.1 is a breakthrough in the scientific and big data visualization industry.

> "LightningChart® is achieving the impossible in the industry of scientific and big data visualization."
>
> *Pasi Tuomainen*

This translates, for the end-user, into an enhanced real-time data monitoring with an extremely high rendering rate, new data series designed for real-time applications, and extremely low resource consumption.

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For real-time visualization, LightningChart® .NET increases its rendering capacity and hits □□ □□□□□□□□ □□□□ □□□□□□□ □□ □□□□-□□□□ using a mid-level desktop PC. Additionally, the library allows the user to produce smoothly scrolling and sweeping real-time screens of thousands of lines. And having dozens of them opened at the same time. That is a lot of data!

Some of the new additions LightningChart® v.10.1 brings with it, is SampleDataBlockSeries, having up to 860% decrement in memory consumption, and 5100% decrement in CPU overhead.

This shows a more consistent data flow on screens and a smoother visualization. The series type is particularly implemented in medical monitoring, industrial applications, and vibration analysis.

Moreover, the resource consumption when zooming and panning heatmaps is up to 100 times faster and has decreased its CPU load from an 80% to 20%.

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Additionally, the 10.1 version introduces two technical indicators for trading charts which are Stochastic Oscillator, used for security closing price comparison over a period of time, and Money Flow Index, used for stock price trend analysis.

Learn more about LightningChart® .NET.

"LightningChart® is a trademark from Arction Ltd., a pioneer in high-performance charting controls who introduced the fastest, GPU-accelerated charts for Microsoft .NET technologies and is developed full-time by a team of Data Scientists and Software Developers since 2009. Our mission is to produce the absolute best performance charts for .NET and JavaScript for advanced applications in demanding industries."

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