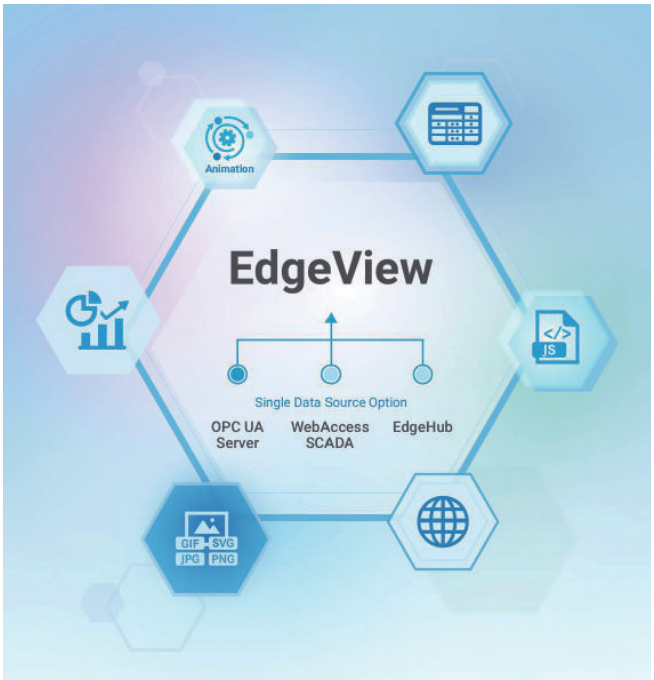
EdgeView

Cross-Platform Low-Code Industrial Visualization Platform



Features

- Intuitive Interface and Useful Tools: Enjoy an intuitive interface with powerful graphical tools.
- Cross-Platform Compatibility: Seamlessly access the tool from cross-platform desktop and web browser clients.
- Preloaded Data Analysis Charts: Access common data analysis charts and status timelines right out of the box.
- Convenient Preview Mode: Review projects in a preview mode before saving for added convenience.
- Graphical Model Interface: Use drawings to create graphical models to improve development efficiency.
- Rich Animation Features: Access a variety of low-code animation features and motion paths for dynamic visuals.
- Flexible Display Settings: Customize the properties of each widget to suit your preferences.
- Extensive Scripting Support: Benefit from extensive support for JavaScript programming and single-line command methods.
- Scriptable Widget Properties: Easily edit widget properties using scripts for enhanced functionality.
- Functional Variable System: Utilize an independent and customizable variable function system to provide project drawing applications.
- Plugin Widget Function: Combine with third-party tools to connect drawing data to develop new widgets.
- Built-in SVG Tool: Provide customized flowchart drawing tools and converts them into SVG format for drawing use.
- Wide Image Format Compatibility: Support for popular image formats including SVG, JPG, PNG, GIF, and BMP.
- Masking Functionality: Employ masking to conceal or obscure specific image areas as needed.
- Simple Gradient Color Settings: Effortlessly apply gradient colors to enhance visual appeal.
- Recipe Modeling Support: Dynamically adjust and apply recipe values for efficient data setting.
- Built-in Permissions Management: Easily manage editor and viewer permissions within the tool.
- Multi-Platform Client Access: Access projects anytime through Browser, Desktop (Windows x64 and Linux x64), and Mobile Apps (Android and iOS).

Introduction

Advantech introduces EdgeView, a specialized graphics interface tailored for SCADA and IoT systems. This innovative tool is engineered to visualize data from IoT gateways, data platforms, and OPC UA servers. With features like real-time data presentation, command control options, dynamic data analysis charts, and customizable animations, it provides comprehensive support for enterprise production applications. The user-friendly interface, along with JavaScript programming capabilities, supports popular image formats like SVG, JPG, PNG, GIF, and BMP. Users can easily create bespoke data displays and animations using open widget properties and parameter configuration options. Additionally, the software includes pre-built data analysis charts and customizable widget templates, simplifying scene animation creation. Online editing and previewing further enhance efficiency, allowing for multitasking design directly from the client side.

Tailored to the requirements of IoT applications, EdgeView server is compatible with both Microsoft Windows and Linux environments. The server product series includes versions supporting standard OPC UA communication, integration with EdgeHub cloud services, and compatibility with WebAccess/SCADA software. EdgeView offers cross-platform desktop client support and HTML5 web browsing capabilities on Chrome and Edge browsers, ensuring accessibility across diverse devices and platforms.



All product specifications are subject to change without notice.

Software Specifications

Graphics

- **Number of Graphics Drawings** Unlimited
- **Variables Per Graphic Drawing** Unlimited
- **Points of data source** Unlimited
- **Desktop/Browser Viewer** Yes
- **Preview in Edit Mode** Yes
- **Graphics Widget Model** Yes
- **Support Image Format** SVG/JPG/PNG/GIF/BMP
- **Support Audio Format** WAV/MP3/WMA
- **Opacity Mask** Yes
- **Stackable Animations** Move/Scale/Rotation/Path/Flow/Marquee/Blink/Visible/Display/Frame

Development Tools

- **Charts** Pie/Polar/Radar/Scatter/Bubble/Bar/Progress Bar/Timeline/Calendar pie/Sankey/Funnel
- **Tables** Value/Log/Multi-column/Action log
- **Realtime Trend** WebAccess SCADA version
- **History Trend** Yes
- **Realtime XY Plot** WebAccess SCADA version
- **History XY Plot** Yes
- **Alarm Summary and Log** WebAccess SCADA version
- **Display Widgets** Label/LCD/Image/GIF/SVG/Gauge/Web-view/Video/Barcode/QR code
- **Control Widgets** Button/Selectors/Slider/Switch/Navigation/Textbox/Recipe/Time controller/Group selectors
- **Shape Widgets** Polyline/Arc/Pipeline/Polygon/Pie/Star/Rounded Quadrilateral
- **Source Widgets** Drawing/Customized widget
- **Plug-in Widget** Yes
- **Script Editor** Yes
- **Variable Editor** Yes
- **SVG Editor** Yes
- **Audio Management** Yes
- **Image Management** Yes
- **File Management** Yes
- **Record Management** Yes
- **Graphic User Management** Yes
- **Recipe Management** Yes
- **I/O Tag Group Management** Yes
- **User Management** Yes
- **Alarm Notification (Audio)** Yes
- **Independent Time Controller** Yes
- **Project Management** OPC UA version

Alarm and Trend Log

- **EdgeView Action Logs** Unlimited
- **WebAccess SCADA Alarm Logs** 30,000
- **Alarm Groups per WebAccess SCADA** 9,999

Data Source

- **3rd OPC UA Server Data Access** EdgeView for OPC UA basic version
- **WebAccess SCADA V 8.4.5 and V9.x** EdgeView for WebAccess SCADA version
- **EdgeHub** Data management API and device management API
- **HTTP API** Record and variable function
- **Database** MS SQL
MySQL
Oracle
PostgreSQL
InfluxDB

Others

- **Scripting Language** JavaScript
- **Recipe Control** Yes
- **Alarm Status** WebAccess SCADA and EdgeHub
- **Embedded Web Page** Yes
- **Built-in Color Palette Templates** Yes
- **Marquee Text** Yes
- **Custom Query Time Option** Yes
- **Desktop Client** Edit mode and view mode
- **Web Client** Edit mode and view mode
- **Map** Google/Baidu
- **Barcode** CODE128/COE39/EAN-13/EAN-8/ITF-14/MSI/Phamacode
- **Sankey Diagram** Real-time and historical values
- **WebAccess Query Page** Report
Scheduler
Classroom scheduler
Alarm management system
Event log
Systme log
Alarm log
Action log
Analog log
Analog change log
Discrete log
Text log

Ordering Information

- **32ASSCWA000101** EdgeView server license for WebAccess SCADA
- **32ASSCWA000201** EdgeView server license for WebAccess SCADA with App client access
- **32ASSCOB000101** EdgeView server license for OPC UA basic version
- **32ASSCOB000201** EdgeView server license for OPC UA basic version with App client access

Minimum Requirements

EdgeView Server

- **OS(64-bit)** Windows 10 (1809 or later) / 11
Linux Ubuntu 22.04 / 24.04
- **Hardware** PC: with 4GB RAM and 200GB HDD space

EdegView Desktop Client

- **OS(64-bit)** Windows 10 (1809 or later) / 11
Linux Ubuntu 24.04
- **Hardware** PC: Intel® Core™ i3 with 4GB RAM
Graphics card: Supports OpenGL 3.3 or above

EdgeView Browser Client

- **Browser** Web Browser: Supports WebGL 2.0 or above
Chrome (versions > 56)
Edge (versions > 83)
Fire Fox (versions > 51)
- **Hardware** PC: with 8GB RAM (recommended)
Graphics card: Supports OpenGL 3.3 or above

EdgeView APP Client

- **Android** Android 9 to 16
- **iOS** iOS 16 or higher

Supports Multi-Language Systems

- **English / Traditional Chinese / Simplified Chinese**