

## OPC Systems.NET – OPC Alarm.NET



OPC Alarm.NET  
 Real-time and  
 historical alarming  
 with alarm Logging  
 to SQL Server, SQL  
 Server Desktop,  
 Access, Oracle,  
 mySQL, and CSV

files. Includes free OPC Systems HMI .NET  
 container and 100 % managed .NET  
 component that can be integrated into any  
 Visual Studio.NET 2008, 2005, and 2003  
 application. Free development and unlimited  
 local and remote alarm windows to each  
 licensed OPC Systems Service.



Communicate real-time and historical alarm data over  
 your company network and Internet to unlimited  
 remote clients world wide.



### OPC Alarm.NET Component

- The OPC Alarm.NET component is for use in local and remote Visual Studio.NET 2010, 2008, 2005, and 2003 applications.
- 100% managed OPC Alarm.NET alarm window component.
- OPC Alarm.NET supports alarm grouping, filtering, and on-line modification.
- OPC Alarm.NET components can access both local and remote alarms from multiple licensed OPC Systems Services.
- There is no data loss in the OPC Alarm.NET component if it losses a remote network connection to other OPC Systems Services.
- Support on-line modification for all properties through toolbar or programmatic interface.
- Bind data directly to DataTable using the GetAlarmDataTable method.
- Supports custom history query.



## Alarm Logging

- Alarm Logging for SQL Server, SQL Server Desktop (MSDE), Oracle, and mySQL.
- Log alarms from remote OPC Systems Services and lose no alarms on temporary network failures or database engine failures.
- Activate logging from OPC values.
- Change the database server, database name, table name, or CSV path and file name while the system is logging from OPC values.
- Supports on-line modification for all properties.



## Alarm Notification

Send out e-mails based on specified filter criteria.

Keep track of how many alarms are currently active.

Monitor how many alarms have occurred over a specific time period.

Automatically update OPC Systems.NET Tags or OPC Items with alarm summary information matching specific filter criteria.



## OPC Systems Windows Service

(Included with purchase)

- Supports free connections to OPC Servers supporting OPC Data Access Specifications 2.x or 3.0.
- License allows unlimited local and remote WinForm and WPF application connections.
- Data source for each Tag can be a fixed value, local or remote OPC Item, or another local or remote Tag Parameter.
- Calculations are also a possible data source allowing real-time equations using library of math, logical, and string functions together with local and remote Tags.
- Implements .NET Remoting thus eliminating the need for DCOM configuration by connecting all OPC Servers locally with each OPC Systems Service.
- Supports on-line modification while the system is running. add, modify, and remove Tags.

- Includes free programmatic interface to define configurations from your own Visual Studio application.
- Supports DirectOPC pass through to connect directly to OPC Servers with dynamic tag addressing from client applications.
- Unique Multi-Threaded application service providing real-time data to local and remote .NET components.



## Smart Client Deployment

- All OPC Systems.NET components are Smart Client compatible.
- Application execution on remote systems without installing the application on the remote systems.
- Better user experience than web browser applications.
- Application updates to one directory and all remote systems are updated automatically.
- Tighter security control than web browser applications using built in .NET Framework security.
- Refer to our Smart Client on-line training video for easy to follow steps on deploying a Smart Client application.
- Click here to launch a WinForm or WPF Smart Client example and to view more information on Smart Client deployment.



## Product Features

- Configure both local and remote OPC Systems Service configurations manually, with CSV Export and Import, or programmatically from your own application.
- Control and modify Tag, Data Logging, Alarm Logging, Alarm Notification, Recipe, Report, and Security configurations along with and Options from your own application!
- Unlimited remote clients.
- Implement Smart Client deployment with 100% managed components.
- Use Visual Studio 2010, 2008, 2005, or 2003 to create your own applications.
- Extremely fast data update with very low CPU usage.
- Very cost effective solutions for both individual and corporate users.
- Perfect solution for OEMs to create their own SCADA / HMI software to package with their systems.
- Fast development time with no code required.
- Easy setup of trending, alarming, data logging, reports, recipe management, and security in central configuration.

- Use your own data from .NET applications.



## Operating System Requirements

- Windows 7
- Windows Vista
- Windows Server 2008
- Windows Server 2003
- Windows XP
- Windows 2000 (with .NET Framework 2.0, 3.5, or 4.0)

Use either 32 bit or 64 bit versions for your operating system.