NISE3800E-IWS

Redundant Database	ActiveX Data Objects
PLC/HMI Connectivity	CNC/Machine Connectivity
ActiveX Data Objects	Modbus Connectivity

iAT2000 IWS

Webpage Control	Cloud Application	Multi-Display Control
Real-time & History Record	Dashboard Customization	Trend & Charts
Intelligent Alarm	Alarm Broadcast	Authority Control

Main Features

- An HTML5-supported and webpage control IIoT SCADA solution powered by Windows IIS server.
- Over 250 drivers for major PLCs .
- Support distributed and redundant database function for applications including real-time, history, and ADO.NET database
- Sophisticated alarms management system allows you to send alarms to various utilities such as screen, E-Mail/SMS, and Web browser (or social app through VBScript).

- Ready to use built-in template symbol & widget, online sample project and custom widget can be implemented by HTML5/ JavaScript or ActiveX.
- Provide user and group security control up to 256 levels.
- Seamless browser connectivity and multi-monitor display (by SetViewerPos).
- Up 16000 numbers of max. points connected.

Product Overview

Competitively Priced but Fully Loaded

At NexAIoT, we know every manufacturing scenario has different circumstances and needs, and so even the NISE3800E-IWS runs on Intel® Core™ i5 processors, we could customize for Core™ i3 or Core™ i7. Choose the one that best suits your needs and budget. Our designers also know smart industry calls for a significant investment and that customers are wary of expensive and overly complex SCADA solutions. The NISE3800E-IWS simplifies matters by offering software platform at a competitive, affordable price point that makes the system an instantly appealing option.

One Solution for Many Needs

Whatever your industrial process, the NISE3800E-IWS can handle it. We offer various configurations that scale in accordance with your implementation. Each system includes five licenses for 150, 300, 1500, 4000, and 16K connection points and additional option for thin clients. Once more, the choice rests with the customer, we simply help make things better.

Software Package Provides Supervision of Complete Production Layout

Beyond effortless connectivity with PLC/HMI clients and CNC and Modbus links, the NISE3800E-IWS removes management hardships through a smart and comprehensive software suite. Assign control authorization levels, customize the dashboard, set up alarms, and use multiple displays. You also get multilingual support, cloud applications, process control via the ease of a webpage, and much more.

Track and Improve for Better IIoT

On the software side of industrial equipment, the NISE3800E-IWS outperforms baseline SCADA functionality by adding trend tracking and insights, extensive data gathering, and SQL database integration. That ensures users stay well informed and ahead of the curve as they work to fine-tune and improve industrial processes.

Built-in Drivers for Leading PLC Makers

As a SCADA system designed for seamless insertion at the heart of industrial topologies, the NISE3800E-IWS ships with drivers that allow for plug n play connections with units from Allen Bradley, Siemens, Schneider, Mitsubishi, Omron, GE-Fanuc, and other industrial equipment leaders. Out of the box compatibility reduces start up time and costs, affording improved efficiency.

One Point That's the Whole Point

The design philosophy behind the NexAIoT NISE3800E-IWS should be immediately clear to anyone interested in better industrial solutions. We take all the essentials of SCADA and give them a usability upgrade without increasing complexity or cost. The point of SCADA revolves around scalable yet centralized management for different situations, and the NISE3800E-IWS encompasses that without ever compromising.

NEXAIOT

iSCADA Architecture

Single, integrated development environment

InduSoft Web Studio Development Station

Develop once, Deploy anywhere

*From Indusoft

InduSoft Web Studio "full runtime"
Windows 10   Windows 7   Windows Server 2012
Windows 8   Windows Server 2008 R2

EmbeddedView
Windows Embedded Standard 7

CEView
Windows Embedded Compact

IoTView   New
Linux
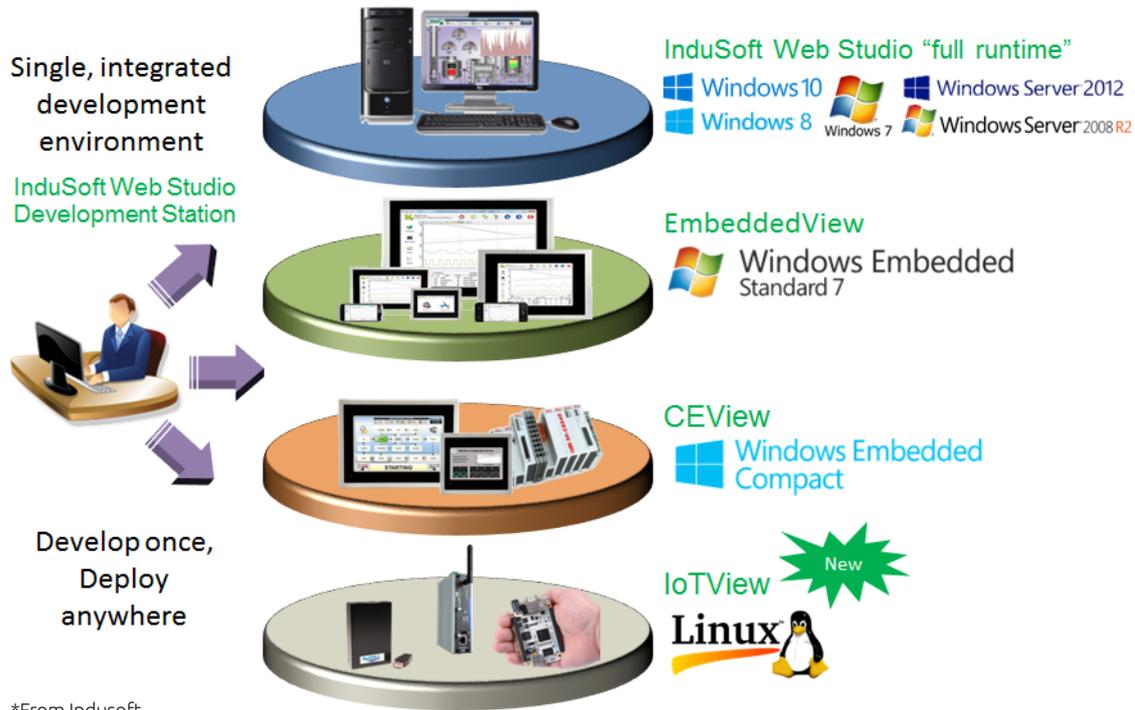
Specifications

Fulfilling Connectivity
- Support general purpose Modbus RTU/TCP, OPC UA, TXT file driver, General TCP driver, etc.
- Drivers ready for major PLC manufacturers such as Allen Bradley, Siemens, Schneider, Mitsubishi, Omron, GE-Fanuc, etc.

Database & Diagnostic
- Interface with any relational database supported by a valid ADO.NET Provider, OLE DB provider or ODBC driver
- Support save and/or retrieve the alarm history, event message, and trend history in relational database
- Use Database Spy and the Output/Log Window to quickly diagnostic and efficiently test your applications

Trends & Charts
- Support standard time-base trend, XY trend, pie chart
- Support ActiveX and .NET to add controls such as advanced graphing, meter gauges, reporting, browsers and even media player
- Keeps track of process behavior online or through historical trending and sends information across a network for monitoring on screens or Web browsers

Alarms and Report
- Define alarm display filter for more convenience
- Support various message types such as screen, e-mail, browser, and archive to the printer
- Imports/exports recipes, reports, and real-time data in XML format

Template and Customization
- Built-in template symbol and various online sample projects
- Powerful widgets for various control and display purposes
- Support ActiveX components for expansion functions
- Provide VBScript for custom defined functions that can run on Windows Operating Systems

Account & Security
- Provide up to 256 levels of user & group account security
- Features to develop applications that are FDA 21 CFR Part 11 compliant, which cover electronic records and electronic signatures
- Security can be set on each runtime individually or networked to a central security system

Browser & Thin Client
- Supports three types of remote application viewers: Modern Web Browser, Secure Viewer, and Studio Mobile Access (SMA) for smart phones and tablets
- Up to 1000 simultaneous Thin Clients are supported

Points Connection
- 5 licenses for different number of connections: 150, 300, 1500, 4000, and 16K points
  * Note: online sample project link: http://www.indusoft.com/Downloads/Sample-Applications

Ordering Information

- **NISE3800E-IWS (P/N: 10J00380015XA)**
  Indusoft web studio full runtime version option:
  300 points connection package
  - Activation license P/N: IND-320NT-RT
  1500 points connection package
  - Activation license P/N: IND-920NT-RT
  4000 points connection package
  - Activation license P/N: IND-40520-RT

  Indusoft Web Studio Development Version Option:
  1500 points connection package
  - Activation license P/N: IND-15520-DEV
  4000 points connection package
  - Activation license P/N: IND-40520-DEV