

Main Features

- An easy access and webpage control IIoT SCADA solution
- Support OPC driver, ModbusTCP, and major PLC communication
- Support distributed and redundant database function for applications including real-time, history, and ADO Recordsets
- Various trend charts available and able to replay history records
- Easy alarm setup and history functions to trigger and track all alarms
- Ready to use template project installed and powerful customization tools
- Provide user account control for operator, engineer, and developers
- Seamless browser connectivity and multi-monitor display
- Infinite number of max. points connected

Product Overview

iSCADA is a webpage accessible, flexible, and user friendly system that drastically enhances facility transparency and allows enterprise to have complete control of its production line. As a part of iAT2000 Total Solution Family, iSCADA has been pre-defined to connect with NEXCOM and 3rd party devices with minimum setup steps. Powerful dashboard display and customization capability gives developers tool to fulfill all kinds of need in designing the most suitable interface. This iSCADA solution is the key toward a successful automation project.

Feature Details

Fulfilling Connectivity

- Support general purpose ModbusTCP, OPC UA, TXT file driver, General TCP driver, and etc.
- Drivers ready for PLCs such as Omron Serial, Mitsubishi, Schneider, Siemens, and etc.

Database & Recordsets

- Support distributed real-time database with over 300,000 inputs for display purpose
- The space-saving History Recordset provides fast data searching (<50ms) and history replay function.
- Can store history record in a local or cloud database

Trends & Charts

- Support standard time-base trend, XY trend, pie chart, and rose chart
- Compatible with TeeChartPro Active X component for over 600 chart expansion
- Can update charts while SCADA is running

Intelligent Alarms

- Provide 16 levels of Alarm priority
- Define alarm display filter for more convenience
- Support pop-up and multi-language vocal alarm messages

Template and Customization

- Always start with a functional template project
- Powerful widgets for various control and display purposes
- All ActiveX components are supported for expansion functions

- Provide C script for custom defined functions such as database searching, analysis, and software interfacing

Account & Encryption

- Define account accessibility for operators, engineers, or developers
- Allow developer to encrypt project for IP protection

Browser & Multi-Display

- Support web browser control from another device in the network
- Multi-display mode allows operation on multiple sets of keyboard & mouse simultaneously

Points Connection

- 6 licenses for different number of connections
- 300, 600, 1600, 6000, 16000, and Infinite points

Hardware Information

Communication Protocols

- OPC UA
- ModbusTCP
- SQL form database
- Expandable fieldbus

System Configuration

- Intel® Core™ i5 6500TE Quad Core 2.3GHz CPU
- 8 GB DDR4 system memory

iSCADA Architecture



- 500 GB SATA3 2.5 HDD storage
- Windows Embedded Standard 7
- iAT2000 SCADA software package

I/O Interface

- 2 x DB9 for RS232/422/485 auto flow control
- 4 x USB 3.0 ports (900mA per each), 2 x USB 2.0 ports (500mA)
- 1 x HDMI, 1 x DP, 1 x DVI-D
- 3 x Intel® I210IT GbE LAN ports; support WoL, teaming and PXE

Certification

- CE approval- EN61000-6-2- EN61000-6-4
- FCC Class A

Power & Dimension

- Power input: +9VDC to 30VD, optional AC to DC power adapter (24V DC, 120W)
- Dimension: 215 mm(W) x 272mm (D) x 93mm (H) without wall mount bracket (8.5" x 10.7" x 3.7")

Ordering Information

- ♦ **NISE3800E-iSCADA (P/N: A0J00380003X0)**
 - 300 points connection package (P/N: 88J00380018X0)
 - 600 points connection package (P/N: 88J00380019X0)
 - 1600 points connection package (P/N: 88J00380020X0)
 - 6000 points connection package (P/N: 88J00380021X0)
 - 16000 points connection package (P/N: 88J00380022X0)
 - Infinite points connection package (P/N: 88J00380023X0)