

# IndustrialSNMP Agent

**Network management tools for industry**

## Product Overview

iSNMP Agent from COI Software is designed to offer real-time access to data and alarm information for a wide variety of "real-world" devices. Designed to operate on Windows NT or Windows 2000 and to operate seamlessly with all leading SNMP-enabled enterprise management software packages, iSNMP Agent acts as a fully-functional SNMP agent for proprietary control, HVAC, and security system networks. iSNMP Agent can act as the agent for one or more plant automation, HVAC or security networks.

iSNMP Agent bridges the gap between the proprietary networks provided PLCs

by these infrastructure control system vendors and your SNMP-enabled corporate enterprise management system. With iSNMP Agent, the reach of the enterprise management system can be extended further into the infrastructure of the organization, resulting in greater efficiency with increased fault and performance management capabilities. Make your investment in network management software pay additional dividends by bridging the gap between the IT and the manufacturing world.



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SNMP-Enabled Enterprise Management System

# Features & Benefits



## SNMP Trap Capability

iSNMP Agent can issue SNMP traps based on monitored values exceeding user-defined alarm limits. Alarms for monitored data can be configured to support boolean, analog and string values from field devices. Analog alarm values can be set for Low/Low, Low, High and High/High values, with each alarm level creating a unique SNMP trap message. SNMP trap messages sent include tag name, data value at the time of alarm, the type of alarm triggered as well as a unique text string associated with the alarm condition experienced. Since iSNMP Agent acts as an extension of the Microsoft Windows SNMP agent, multiple trap destinations can be configured; read and read/write privileges to the iSNMP MIB can be controlled. iSNMP Agent leverages the power and flexibility of the tested and proven Microsoft SNMP agent running in the server in which it is installed.

## Continuous Monitoring Capability

iSNMP Agent stores real-time updates of monitored values into the iSNMP Management information database (MIB). The IndustrialSNMP MIB is an IETP-registered private MIB, and a MIB document file is supplied with the iSNMP Agent for rapid integration with your network management system. This MIB data can be accessed in real time by the SNMP management system, and current values for any monitored "tag" can be gathered even when alarm limits have not been exceeded.

## Remote/Multiple OPC Driver Support

If your application calls for gathering data from several separate OPC drivers located throughout your facility, iSNMP Agent can handle it! iSNMP Agent can support more than one OPC driver located anywhere on the Ethernet LAN in which that iSNMP server is installed. Simply browse the network and incorporate the OPC driver "tag(s)" into the iSNMP Agent editor.

## OPC Driver Browsing

iSNMP Agent allows you to browse the database of your OPC drivers while configuring your SNMP trap and MIB data groups. This time-saving feature makes incorporating plant-floor data into the iSNMP Agent simple and fast. The iSNMP Agent can browse OPC drivers located on the local server or across your network.

## HMI Support

In addition to OPC drivers designed to access data directly from field I/O networks, iSNMP Agent can also gather real-time data from any OPC server application. Examples of OPC server applications include HMI packages, such as Wonderware Intouch, Intellution iFIX, GE Cimplicity and others. iSNMP Agent can create the bridge that you have been searching for between your HMI and enterprise monitoring systems.

## Extensive Driver Support

iSNMP can be supplied with drivers to gather data from a wide range of real-world proprietary control networks, including, but not limited to these manufacturers:

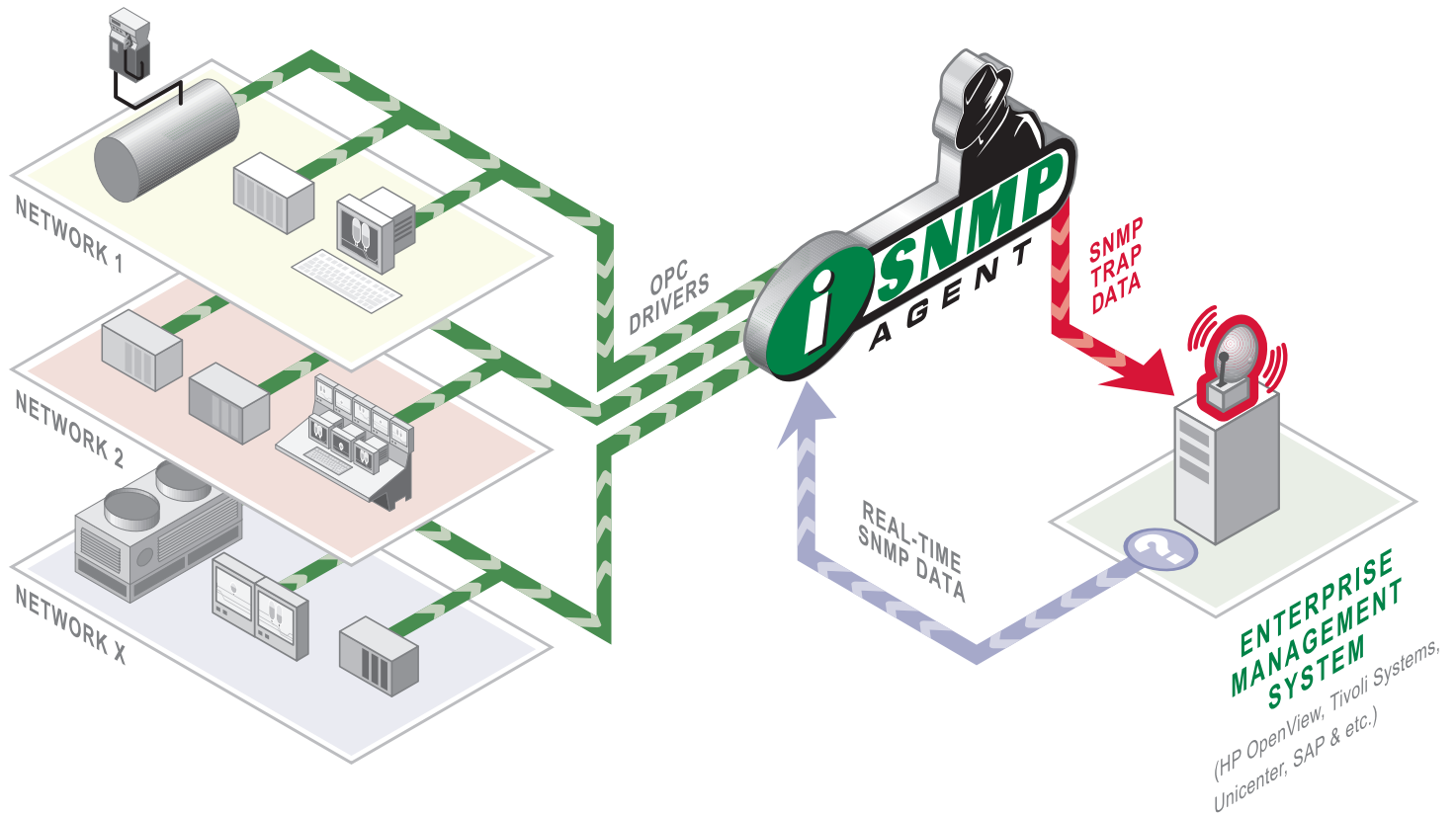
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Contact your iSNMP Agent sales representative to discuss your particular needs.

**ABB**  
**Allen Bradley**  
**Analog Devices**  
**Aromat**  
**Automation Direct**  
**Bailey/ Fisher and Porter**  
**Contrex/Fenner**  
**Cutler Hammer**  
**DDE Client Converter**  
**Endress and Hauser**  
**FactorySoftFischer &**

**Porter GE Fanuc CCM**  
**GE**  
**GE Fanuc**  
**Honeywell**  
**ICS**  
**Idec**  
**Intelligent Actuator**  
**Johnson Controls**  
**Mitsubishi**  
**Modicon**  
**Modbus**

**Omron**  
**OPTO 22**  
**Partlow**  
**Siemens**  
**Sixnet**  
**Telemecanique**  
**Texas Instruments**  
**Westronics**  
**Wago**  
**Yokogawa**



## Fault & Performance Management

When production on a plant-floor asset stops, iSNMP Agent can provide real-time notification of the failure to the enterprise management system. Additionally, specific production information available from the plant-level network can be routed to the enterprise management system to allow real-time access to inventory levels, production rates and manufacturing asset maintenance status.

## HMI System Integration

Often manufacturing systems have their own human-machine interface (HMI) software systems for gathering plant floor data, historical trending and alarming of manufacturing systems. With iSNMP Agent, these HMI systems can share this information with enterprise management software systems, allowing tighter integration of corporate systems and quicker response times to problems.

## HVAC System Monitoring

Modern buildings often have a network to connect their chillers, boilers, heaters and other environmental system assets. These networks often include proprietary network operator interfaces, limiting the ability for administrators to access information from their existing enterprise management software. Using iSNMP Agent and the appropriate HVAC network driver, any plant asset can become visible from the enterprise management software package.

## Site-Asset Monitoring

Often remote retail/convenience stores have a connection between their "back-office" systems and the enterprise network management system. Currently, this link is often used only to pass point-of-sale information about sales. With iSNMP Agent software, now the enterprise management system can keep up with fuel tank levels, HVAC conditions, and store asset health.

## Technical Support & Software Updates

COI Software offers 90 days of support and free product version upgrades with every purchase. The list of pre-defined network devices is constantly growing. Customers interested in having the ability to receive product version updates after the 90-day support period can purchase annual version upgrade and support packages at the time of their initial purchase. The annual support program includes free version upgrades as well as unlimited access to our technical support line for a year after date of purchase. Contact COI Software or your local distributor for more details.

## OEM Programs

COI Software offers custom driver solutions to OEMs interested in private-labeling or embedding iSNMP Agent technology in their products. Please contact COI Software to have an OEM salesperson discuss your application.

## Specifications

### Hardware required

Minimum: 100MHz Pentium

64 MB RAM

5 MB HD space

### O/S Required

Windows NT 4.0 SP5 or greater,

Windows 2000

### Networks Supported

Supports any IEEE802.3-compliant Ethernet network



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