SNMP Suite
SKU: KWP-ISNMP1-PRD (1-15 devices)

SKU: KWP-ISNMP2-PRD (16-50 devices)

SKU: KWP-ISNMP0-PRD (51+ devices)

Component Drivers

- Ping
- SNMP

Features

- Support for the SNMP driver includes:
    - Alarm Management RTUs
    - Device Servers
    - Environment Monitoring Equipment
    - Managed Ethernet Switches
    - Printers, Routers
    - Uninterruptible Power Supplies
    - Unix-based Servers
    - Windows-based PCs and Servers
- Support for the Ping driver includes:
    - Building Control Systems
    - Device Servers
    - Drives
    - Gateways
    - Hubs
    - HV AC Equipment
    - Printers, Scanners
    - Switches (Unmanaged)

Note: This is a partial list; unlisted devices may be supported. For a complete listing, please contact Kepware.

ADDITIONAL TECH INFO

- Network Analyst
- Auto Device Discovery
- MIB Import
- Historical Data Attributes
- Events Tags
- Table Offsets
- ScanFloor property
- SNMP Traps Support
- Runtime Management of Device Polling

Application Support

- OPC Data Access (OPC DA) Versions 1.0a, 2.0, 2.05a, and 3.0
- OPC Alarms and Events (OPC AE) Version 1.10
- OPC Unified Architecture (OPC UA) Version 1.01
- OPC .NET Service (OPC .NET) Version 1.00
- SuiteLink and FastDDE for Wonderware
- NIO Interface for iFIX
- DDE Format CF_Text and AdvancedDDE

Ping

Product Overview

Not all Ethernet network devices are SNMP managed. To help monitor any system from within your HMI, the Ping driver automatically generates OPC tags for each unmanaged device defined. These "heartbeat" and "response time" tags provide a standardized and reliable way to monitor all devices in the Ethernet network.

Features

- Monitors network devices via the ICMP protocol (Ping).
- Designed specifically for use with 32-bit OPC server products
- Provides the ability to monitor the status of a network device and the time that it takes for the ICMP message to reach its destination and return a response (the round-trip time)
- Provides communication timeout settings for Connect Timeout and Request Timeout, and an adjustable Retry or Fail After setting.
- Supports Device Auto-Demotion for unmanaged devices. Users can adjust Auto-Demotion parameters to allow drivers to temporarily place a device off-scan in the event that it is not responding. This allows the driver to continue optimizing its communications with other available devices on the same channel and notify the client application of the event.

Protocols

- Internet Control Message Protocol (ICMP)

Supported Devices

- Any device (IP or Host address) that can communicate via TCP/IP
- Building Control Systems
- Device Servers
- Drives
- Gateways
- HV AC Equipment
- Hubs
- PCs and Servers
- PLCs & Controllers
- Printers
- Scanners
- Security Systems
- Sensors
- Switches (Unmanaged)

SNMP

Product Overview

The SNMP driver for KEPServerEX provides valuable insight into the performance of a variety of industrial control system networks. The SNMP Suite seamlessly integrates monitoring and analyzing of Managed and Unmanaged SNMP supported Ethernet network devices into the leading HMI, SCADA, Historian, or MES software packages. Automation professionals can now reliably incorporate the status of Hubs, Routers, Switches, PCs/Servers, UPS devices, and other Managed or Unmanaged devices directly into their automation systems.

Features

- Includes "Specialty tags" to help users know more than the current value of a single polled OID
- Supports Auto Discovery
- Supports MIB Import
- Supports Network Analyst
- Supports SNMP Traps
- Supports Historical Data Attributes
- Supports Events Tags
- Supports Table Offsets
- Includes a ScanFloor property
- Supports SNMP Version 3 Security
- Supports Unmanaged Device Monitoring
- Supports Runtime Management of Device Polling
- Supports Communication Serialization

Protocols

- SNMP

Supported Devices

- Alarm Management RTUs
- Device Servers
- Environment Monitoring Equipment for Server Rooms
- Managed Industrial Ethernet Switches
- Printers
- Routers
- Uninterruptible Power Supplies (UPS)
- Unix-based Servers
- Windows-based PCs and Servers