

# SNMP Device Driver

## Features

- Gives Ignition the ability to communicate with SNMP devices.
- Can connect over TCP and UDP.

## Configuration

- After installation, add a “Kymera SNMP Driver” device.
- Fill in the name parameter.
- Fill in the Connectivity section with the information for your SNMP device.
- The advanced options can be used to further customize the driver, but the defaults should be sufficient in most cases.
- Click create new device.
- Click the “Device MIB” link on the right hand side of the newly created device.
- Click the “Choose File” button and import the MIB file for your SNMP device.
- Select the appropriate MIB type from the drop down box.
- You are now ready to collect data from your SNMP device.

## V1 Properties

Name	The name of the device.
Enabled	To enable or disable the device instance.
SNMP Host Name	The host name or IP address assigned to the SNMP device.
SNMP Port	The port your SNMP device is listening over.
SNMP Transport	Transport method used to carry the SNMP data (TCP or UDP).
SNMP Community	SNMP Community used to communicate with the SNMP device.
Maximum Items	The maximum Items that can be added to a read request.
Read Timeout	Period in milliseconds before reporting a read timeout.
Write Timeout	Period in milliseconds before reporting a write timeout.
Retries	The number of retries before reporting a timeout.
Concurrent Requests	The number of concurrent requests supported by the driver.

### V2c Properties

Name	The name of the device.
Enabled	To enable or disable the device instance.
SNMP Host Name	The host name or IP address assigned to the SNMP device.
SNMP Port	The port your SNMP device is listening over.
SNMP Transport	Transport method used to carry the SNMP data (TCP or UDP).
Use GetBulk	Do bulk read requests instead of sequential requests for reading data from the tables.
SNMP Community	SNMP Community used to communicate with the SNMP device.
Maximum Items	The maximum Items that can be added to a read request.
Read Timeout	Period in milliseconds before reporting a read timeout.
Write Timeout	Period in milliseconds before reporting a write timeout.
Retries	The number of retries before reporting a timeout.
Concurrent Requests	The number of concurrent requests supported by the driver.

### V3 Properties

Name	The name of the device.
Enabled	To enable or disable the device instance.
SNMP Host Name	The host name or IP address assigned to the SNMP device.
SNMP Port	The port your SNMP device is listening over.
SNMP Transport	Transport method used to carry the SNMP data (TCP or UDP).
Use GetBulk	Do bulk read requests instead of sequential requests for reading data from the tables.
Maximum Items	The maximum Items that can be added to a read request.
Read Timeout	Period in milliseconds before reporting a read timeout.
Write Timeout	Period in milliseconds before reporting a write timeout.
Retries	The number of retries before reporting a timeout.
Concurrent Requests	The number of concurrent requests supported by the driver.
SNMPv3 Username	The username associated with the authentication and privacy keys.
SNMPv3 Security Name	The security name associated with the authentication and privacy keys. (Usually the same as the username)
SNMPv3 Context	The context name associated with the authentication and privacy keys.
SNMPv3 Authentication Protocol	The protocol used to authenticate the user during requests.
SNMPv3 Pass phrase	The pass phrase used to authenticate the user during requests.
SNMPv3 Privacy Protocol	The protocol used to encrypt the requests.
SNMPv3 Privacy Pass Phrase	The pass phrase used to encrypt the requests.



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### **Change Log**

- v1.6.0b1056 : Initial release

### **Support**

- Support is only provided to license modules with an active I.A. TotalCare Contract.
- Support may be contacted via email, at [support@kymerasystems.com](mailto:support@kymerasystems.com), or via phone, at 1-800-470-2302. Please allow up to 24 hours for a response from our support team.