



Simply Better Connections

KVM over IP Switches

LCD KVM Switches

Remote Control & Monitoring Solutions

MIB Reference Guide

## Overview

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This section provides information about the MIBs supported in ATEN KVM over IP Switches, LCD KVM Switches, and Remote Control & Monitoring Solutions with the corresponding MIB version listed below.

| Applicable Models                                                                                                                                                                                                                                                    | MIB Version |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| KN2116VA / KN4116VA / KN2124VA / KN4124VA /<br>KN1132V / KN1132VB / KN2116VB / KN2124VB /<br>KN2132VA / KN2132VB / KN4016VB / KN4024VB<br>/ KN4032VB / KN4064VB / KN4132VA /<br>KN8032VB / KN8132V / KN2140VA / KN4140VA /<br>KN4164V / KN8064VB / KN8164V / KN8116V | v4.8.473    |
| KN1108VA / KN1116VA                                                                                                                                                                                                                                                  |             |
| KL1108V / KL1116V                                                                                                                                                                                                                                                    |             |
| KG0016 / KG0032                                                                                                                                                                                                                                                      |             |
| RCM416 / RCM416A / RCM416VA / RCM432VA /<br>RCM816 / RCM816A / RCM464V / RCM464VA                                                                                                                                                                                    |             |
| RCM101A                                                                                                                                                                                                                                                              |             |
| RCMHD101U / RCMDP101U / RCMVGA101 /<br>RCMDVI101                                                                                                                                                                                                                     |             |
| RCMDVI00AT / RCMDVI40AT / RCMDVI00BT /<br>RCMDVI40BT / RCMDVI50T                                                                                                                                                                                                     |             |

This section provides detailed information required for integration with network management systems, automated monitoring, and event handling. Specifically, the section covers:

- ◆ Subtree structure and organization for object grouping and navigation
- ◆ A list of supported MIB objects, including OIDs, access types, data formats, and descriptions
- ◆ Definitions of SNMP traps, including trap OIDs, trigger conditions (descriptions), and associated parameters

## **MIB Tree Structure**

- ♦ **atenProducts** (.1.3.6.1.4.1.21317.1)  
This is the root node for all ATEN products.
- ♦ **overip** (.1.3.6.1.4.1.21317.1.3)  
This is a subtree for ATEN over IP-based products.
  - ♦ **KVMoverip** (.1.3.6.1.4.1.21317.1.3.1)  
Defines the MIB objects and traps for ATEN KVM over IP Switches, LCD KVM Switches, and Remote Control & Monitoring Solutions.
    - ♦ **KNtrap** (.1.3.6.1.4.1.21317.1.3.1.3)
    - ♦ **KNGeneric** (.1.3.6.1.4.1.21317.1.3.1.13)

## **Downloading MIB Files**

To download the latest MIB files:

1. Visit the official product page of your target ATEN KVM over IP switches, LCD KVM Switches, and Remote Control & Monitoring Solutions.
2. Scroll down to locate the **MIB File** section. For example:

| MIB File |           |          |            |                                          |
|----------|-----------|----------|------------|------------------------------------------|
|          | MIB Files | v4.5.445 | 2025-06-20 | <a href="#">KN-MIB-File-v4.5.445.zip</a> |
|          | MIB Files | v2.9.289 | 2023-12-14 | <a href="#">KN-MIB-File-v2.9.289.zip</a> |
|          | MIB Files | v2.9.286 | 2023-07-24 | <a href="#">KN-MIB-File-v2.9.286.zip</a> |
|          | MIB Files | v2.9.282 | 2022-10-14 | <a href="#">KN_MIB_File_v2.9.282.zip</a> |

3. Download the latest MIB file.

## **OID Format**

In this document, all object identifiers (OIDs) are presented in their numeric form without a leading period.

For example, the OID may be displayed by some SNMP tools as:

.1.3.6.1.4.1.21317.1.3.1.13.1.4.1

In this document, it is written as:

1.3.6.1.4.1.21317.1.3.1.13.1.4.1.0

Both notations are equivalent. The leading period is omitted for consistency and readability.

## Object Types and Indexing

SNMP objects can be scalar or table-based. When sending GET requests, ensure to distinguish between scalar objects and instance objects, and their correct OID usage.

### ♦ Scalar Objects

A scalar object is an object that contains a discrete piece of data. Since scalar objects are always defined as having one instance, and to distinguish this type of object from instance objects, append “.0” to the OID when referencing scalar objects in GET requests.

For example:

If the `deviceName` object is defined as:

| Object Name             | OID                                         |
|-------------------------|---------------------------------------------|
| <code>deviceName</code> | <code>1.3.6.1.4.1.21317.1.3.1.13.2.1</code> |

Using SNMP version 2c, with community string ‘public’, to retrieve the value of the scalar object `DeviceName.0` from the SNMP agent at IP 192.168.1.10, the GET request will be:

```
snmpget -v2c -c public 192.168.1.10 DeviceName.0
```

or

```
snmpget -v2c -c public 192.168.1.10 1.3.6.1.4.1.21317.1.3.1.13.2.1.0
```

Result:

```
SNMPv2-MIB::DeviceName.0 = STRING: ServerA
```

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**Note:** When “.0” is omitted, SNMP agents will not be able to find the instance and returns an error or invalid message.

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### ♦ Instance Objects

As opposed to scalar objects, some objects may contain multiple instances, e.g. network interfaces for a device. An instance object is one of the multiple pieces of data that exist in an SNMP table. To refer to these pieces of data correctly in a GET request, use the OIDs that are appended with index numbers.

For example:

If the MIB defines the column OID of interface card as `1.3.6.1.2.1.2.2.1.2`

and the device has two interfaces:

| Interface Index | Description |
|-----------------|-------------|
| 1               | Ethernet 0  |
| 2               | Ethernet 1  |

Using SNMP version 2c, with community string 'public', to retrieve the value of the instance 2, from the SNMP agent at IP 192.168.1.10, the SNMP command would be:

```
snmpget -v2c -c public 192.168.1.10 1.3.6.1.2.1.2.2.1.2.2
```

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## KN Series Trap

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### knTrapLogin

|                    |                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.1                                                                       |
| <b>Syntax</b>      | OCTET STRING                                                                                      |
| <b>Max-Access</b>  | not-accessible                                                                                    |
| <b>Status</b>      | current                                                                                           |
| <b>Description</b> | A user logs in from a local console, an web browser, a Windows application, or a Java application |

### knTrapLoginFailed

|                    |                             |
|--------------------|-----------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.2 |
| <b>Syntax</b>      | OCTET STRING                |
| <b>Max-Access</b>  | not-accessible              |
| <b>Status</b>      | current                     |
| <b>Description</b> | A user failed to login      |

### knTrapUserLocked

|                    |                                                                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.3                                                                                                                                                                        |
| <b>Syntax</b>      | OCTET STRING                                                                                                                                                                                       |
| <b>Max-Access</b>  | not-accessible                                                                                                                                                                                     |
| <b>Status</b>      | current                                                                                                                                                                                            |
| <b>Description</b> | If the number of invalid login attempts exceeds a specified amount, this user account will be locked. This user must wait until the timeout period expires before user can attempt to log in again |

**knTrapIPAddressLocked**

|                    |                                                                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.4                                                                                                                                                                          |
| <b>Syntax</b>      | OCTET STRING                                                                                                                                                                                         |
| <b>Max-Access</b>  | not-accessible                                                                                                                                                                                       |
| <b>Status</b>      | current                                                                                                                                                                                              |
| <b>Description</b> | If the number of invalid login attempts exceeds a specified amount, the IP address of remote computer will be locked. No logins from that computer will be accepted until the timeout period expires |

**knTrapLogout**

|                    |                                 |
|--------------------|---------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.5     |
| <b>Syntax</b>      | OCTET STRING                    |
| <b>Max-Access</b>  | not-accessible                  |
| <b>Status</b>      | current                         |
| <b>Description</b> | A user logged out of the system |

**knTrapBViewerStart**

|                    |                                                  |
|--------------------|--------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.6                      |
| <b>Syntax</b>      | OCTET STRING                                     |
| <b>Max-Access</b>  | not-accessible                                   |
| <b>Status</b>      | current                                          |
| <b>Description</b> | A session is created for a viewer from a browser |

**knTrapBViewerEnd**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.7          |
| <b>Syntax</b>      | OCTET STRING                         |
| <b>Max-Access</b>  | not-accessible                       |
| <b>Status</b>      | current                              |
| <b>Description</b> | A session of browser viewer is ended |

**knTrapSwitchPort**

|                    |                             |
|--------------------|-----------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.8 |
| <b>Syntax</b>      | OCTET STRING                |
| <b>Max-Access</b>  | not-accessible              |
| <b>Status</b>      | current                     |
| <b>Description</b> | User switched ports         |

**knTrapRemoteVMStart**

|                    |                                          |
|--------------------|------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.9              |
| <b>Syntax</b>      | OCTET STRING                             |
| <b>Max-Access</b>  | not-accessible                           |
| <b>Status</b>      | current                                  |
| <b>Description</b> | Remote user invokes remote virtual media |

**knTrapRemoteVMStop**

|                    |                                           |
|--------------------|-------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.10              |
| <b>Syntax</b>      | OCTET STRING                              |
| <b>Max-Access</b>  | not-accessible                            |
| <b>Status</b>      | current                                   |
| <b>Description</b> | Remote user unmounts remote virtual media |

**knTrapLocalVMStart**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.11     |
| <b>Syntax</b>      | OCTET STRING                     |
| <b>Max-Access</b>  | not-accessible                   |
| <b>Status</b>      | current                          |
| <b>Description</b> | User invokes local virtual media |

**knTrapLocalVMStop**

|                    |                                   |
|--------------------|-----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.12      |
| <b>Syntax</b>      | OCTET STRING                      |
| <b>Max-Access</b>  | not-accessible                    |
| <b>Status</b>      | current                           |
| <b>Description</b> | User unmounts local virtual media |

**knTrapRemoteCRStart**

|                    |                                              |
|--------------------|----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.13                 |
| <b>Syntax</b>      | OCTET STRING                                 |
| <b>Max-Access</b>  | not-accessible                               |
| <b>Status</b>      | current                                      |
| <b>Description</b> | Remote user invokes remote smart card reader |

**knTrapRemoteCRStop**

|                    |                                               |
|--------------------|-----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.14                  |
| <b>Syntax</b>      | OCTET STRING                                  |
| <b>Max-Access</b>  | not-accessible                                |
| <b>Status</b>      | current                                       |
| <b>Description</b> | Remote user unmounts remote smart card reader |

**knTrapLocalCRStart**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.15         |
| <b>Syntax</b>      | OCTET STRING                         |
| <b>Max-Access</b>  | not-accessible                       |
| <b>Status</b>      | current                              |
| <b>Description</b> | User invokes local smart card reader |

**knTrapLocalCRStop**

|                    |                                       |
|--------------------|---------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.16          |
| <b>Syntax</b>      | OCTET STRING                          |
| <b>Max-Access</b>  | not-accessible                        |
| <b>Status</b>      | current                               |
| <b>Description</b> | User unmounts local smart card reader |

**knTrapOutletON**

|                    |                                               |
|--------------------|-----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.17                  |
| <b>Syntax</b>      | OCTET STRING                                  |
| <b>Max-Access</b>  | not-accessible                                |
| <b>Status</b>      | current                                       |
| <b>Description</b> | Sends a power-on signal to selected outlet(s) |

**knTrapOutletOFF**

|                    |                                                |
|--------------------|------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.18                   |
| <b>Syntax</b>      | OCTET STRING                                   |
| <b>Max-Access</b>  | not-accessible                                 |
| <b>Status</b>      | current                                        |
| <b>Description</b> | Sends a power-off signal to selected outlet(s) |

**knTrapOutletCycle**

|                    |                                             |
|--------------------|---------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.19                |
| <b>Syntax</b>      | OCTET STRING                                |
| <b>Max-Access</b>  | not-accessible                              |
| <b>Status</b>      | current                                     |
| <b>Description</b> | Sends a reboot signal to selected outlet(s) |

**knTrapModemdailin**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.20 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Modem dial-in succeeded      |

**knTrapModemdailinFailed**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.21 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Modem dial-in failed         |

**knTrapModemdailout**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.22 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Modem dial-out succeeded     |

**knTrapModemdailoutFailed**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.23 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Modem dial-out failed        |

**knTrapModemdailback**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.24 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Modem dial back succeeded    |

**knTrapModemdailbackFailed**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.25 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Modem dial back failed       |

**knTrapModifyPortCfgr**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.26     |
| <b>Syntax</b>      | OCTET STRING                     |
| <b>Max-Access</b>  | not-accessible                   |
| <b>Status</b>      | current                          |
| <b>Description</b> | User modified port configuration |

**knTrapAddUser**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.27 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Create a new user account    |

**knTrapModifyUser**

|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.28                                |
| <b>Syntax</b>      | OCTET STRING                                                |
| <b>Max-Access</b>  | not-accessible                                              |
| <b>Status</b>      | current                                                     |
| <b>Description</b> | User with user management privilege modifies a user account |

**knTrapDeleteUser**

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.29                               |
| <b>Syntax</b>      | OCTET STRING                                               |
| <b>Max-Access</b>  | not-accessible                                             |
| <b>Status</b>      | current                                                    |
| <b>Description</b> | User with user management privilege removes a user account |

**knTrapAddGroup**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.30 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Creates a new group          |

**knTrapModifyGroup**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.31         |
| <b>Syntax</b>      | OCTET STRING                         |
| <b>Max-Access</b>  | not-accessible                       |
| <b>Status</b>      | current                              |
| <b>Description</b> | Administrator modifies group setting |

**knTrapDeleteGroup**

|                    |                               |
|--------------------|-------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.32  |
| <b>Syntax</b>      | OCTET STRING                  |
| <b>Max-Access</b>  | not-accessible                |
| <b>Status</b>      | current                       |
| <b>Description</b> | Administrator removes a group |

**knTrapModifyDevInfo**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.33         |
| <b>Syntax</b>      | OCTET STRING                         |
| <b>Max-Access</b>  | not-accessible                       |
| <b>Status</b>      | current                              |
| <b>Description</b> | Device information settings modified |

**knTrapModifyOperationSetting**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.34 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Operation settings modified  |

**knTrapModifyNetworkSetting**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.35 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Network settings modified    |

**knTrapModifyANMSSetting**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.36 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | ANMS settings modified       |

**knTrapModifyNotificationSetting**

|                    |                                |
|--------------------|--------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.38   |
| <b>Syntax</b>      | OCTET STRING                   |
| <b>Max-Access</b>  | not-accessible                 |
| <b>Status</b>      | current                        |
| <b>Description</b> | Notification settings modified |

**knTrapModifyOBCSetting**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.39 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | OBC settings modified        |

**knTrapModifySecuritySetting**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.40 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Security settings modified   |

**knTrapModifyDateTimeSetting**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.41 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Time settings modified       |

**knTrapModifyIPAddress**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.42 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Device IP address changed    |

**knTrapLogServerConnectionFailed**

|                    |                                   |
|--------------------|-----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.43      |
| <b>Syntax</b>      | OCTET STRING                      |
| <b>Max-Access</b>  | not-accessible                    |
| <b>Status</b>      | current                           |
| <b>Description</b> | ATEN Log Server connection failed |

**knTrapUploadCertificate**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.44 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | User uploads a certificate   |

**knTrapRestoreDefaultCertificate**

|                    |                                              |
|--------------------|----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.45                 |
| <b>Syntax</b>      | OCTET STRING                                 |
| <b>Max-Access</b>  | not-accessible                               |
| <b>Status</b>      | current                                      |
| <b>Description</b> | User invokes restoration default certificate |

**knTrapUploadCSR**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.48 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | User uploads a CSR           |

**knTrapInvalidIPAccess**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.49 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Invalid IP access detected   |

**knTrapInvalidMACAccess**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.50 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Invalid MAC access detected  |

**knTrapNTP**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.51         |
| <b>Syntax</b>      | OCTET STRING                         |
| <b>Max-Access</b>  | not-accessible                       |
| <b>Status</b>      | current                              |
| <b>Description</b> | User perform NTP operation succeeded |

**knTrapNTPFailed**

|                    |                                   |
|--------------------|-----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.52      |
| <b>Syntax</b>      | OCTET STRING                      |
| <b>Max-Access</b>  | not-accessible                    |
| <b>Status</b>      | current                           |
| <b>Description</b> | User perform NTP operation failed |

**knTrapDeleteLog**

|                    |                                   |
|--------------------|-----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.53      |
| <b>Syntax</b>      | OCTET STRING                      |
| <b>Max-Access</b>  | not-accessible                    |
| <b>Status</b>      | current                           |
| <b>Description</b> | User performs clear log operation |

**knTrapUpgradeFW**

|                    |                                   |
|--------------------|-----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.54      |
| <b>Syntax</b>      | OCTET STRING                      |
| <b>Max-Access</b>  | not-accessible                    |
| <b>Status</b>      | current                           |
| <b>Description</b> | User perform FW upgrade succeeded |

**knTrapUpgradeFWFailed**

|                    |                                |
|--------------------|--------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.55   |
| <b>Syntax</b>      | OCTET STRING                   |
| <b>Max-Access</b>  | not-accessible                 |
| <b>Status</b>      | current                        |
| <b>Description</b> | User perform FW upgrade failed |

**knTrapUpgradeAdapter**

|                    |                                           |
|--------------------|-------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.56              |
| <b>Syntax</b>      | OCTET STRING                              |
| <b>Max-Access</b>  | not-accessible                            |
| <b>Status</b>      | current                                   |
| <b>Description</b> | User perform adapter FW upgrade succeeded |

**knTrapUpgradeAdapterFailed**

|                    |                                        |
|--------------------|----------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.57           |
| <b>Syntax</b>      | OCTET STRING                           |
| <b>Max-Access</b>  | not-accessible                         |
| <b>Status</b>      | current                                |
| <b>Description</b> | User perform adapter FW upgrade failed |

**knTrapUpgradePDU**

|                    |                                       |
|--------------------|---------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.58          |
| <b>Syntax</b>      | OCTET STRING                          |
| <b>Max-Access</b>  | not-accessible                        |
| <b>Status</b>      | current                               |
| <b>Description</b> | User perform PDU FW upgrade succeeded |

**knTrapUpgradePDUFailed**

|                    |                                    |
|--------------------|------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.59       |
| <b>Syntax</b>      | OCTET STRING                       |
| <b>Max-Access</b>  | not-accessible                     |
| <b>Status</b>      | current                            |
| <b>Description</b> | User perform PDU FW upgrade failed |

**knTrapBackupSystemConfiguration**

|                    |                                                    |
|--------------------|----------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.60                       |
| <b>Syntax</b>      | OCTET STRING                                       |
| <b>Max-Access</b>  | not-accessible                                     |
| <b>Status</b>      | current                                            |
| <b>Description</b> | User perform backup system configuration succeeded |

**knTrapRestoreSystemConfiguration**

|                    |                                                           |
|--------------------|-----------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.61                              |
| <b>Syntax</b>      | OCTET STRING                                              |
| <b>Max-Access</b>  | not-accessible                                            |
| <b>Status</b>      | current                                                   |
| <b>Description</b> | User perform backup system configuration operation failed |

**knTrapRestoreSystemConfigurationFailed**

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.62                               |
| <b>Syntax</b>      | OCTET STRING                                               |
| <b>Max-Access</b>  | not-accessible                                             |
| <b>Status</b>      | current                                                    |
| <b>Description</b> | User perform restore system configuration operation failed |

**knTrapClearPortName**

|                    |                                         |
|--------------------|-----------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.63            |
| <b>Syntax</b>      | OCTET STRING                            |
| <b>Max-Access</b>  | not-accessible                          |
| <b>Status</b>      | current                                 |
| <b>Description</b> | User performs clear port name operation |

**knTrapRestoreDefaultSetting**

|                    |                                          |
|--------------------|------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.64             |
| <b>Syntax</b>      | OCTET STRING                             |
| <b>Max-Access</b>  | not-accessible                           |
| <b>Status</b>      | current                                  |
| <b>Description</b> | User performs reset to default operation |

**knTrapResetSystem**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.65         |
| <b>Syntax</b>      | OCTET STRING                         |
| <b>Max-Access</b>  | not-accessible                       |
| <b>Status</b>      | current                              |
| <b>Description</b> | User performs reset system operation |

**knTrapSystemPowerOn**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.66 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | System powers on             |

**knTrapSystemPowerOff**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.67 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | System powers off            |

**knTrapTemperatureWarning**

|                    |                                       |
|--------------------|---------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.69          |
| <b>Syntax</b>      | OCTET STRING                          |
| <b>Max-Access</b>  | not-accessible                        |
| <b>Status</b>      | current                               |
| <b>Description</b> | Temperature exceeded sensor threshold |

**knTrapFanSpeedWarning**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.70 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Fan speed is abnormal        |

**knTrapEndSession**

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.71                                            |
| <b>Syntax</b>      | OCTET STRING                                                            |
| <b>Max-Access</b>  | not-accessible                                                          |
| <b>Status</b>      | current                                                                 |
| <b>Description</b> | A user with administrator privilege forces a user log out of the system |

**knTrapLANDisconnect**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.72     |
| <b>Syntax</b>      | OCTET STRING                     |
| <b>Max-Access</b>  | not-accessible                   |
| <b>Status</b>      | current                          |
| <b>Description</b> | LAN is disconnected or unplugged |

**knTrapPSUUnplug**

|                    |                                   |
|--------------------|-----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.73      |
| <b>Syntax</b>      | OCTET STRING                      |
| <b>Max-Access</b>  | not-accessible                    |
| <b>Status</b>      | current                           |
| <b>Description</b> | PSU is unplugged or may be broken |

**knTrapPortLinkUp**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.74 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Port link is up              |

**knTrapPortLinkDown**

|                    |                              |
|--------------------|------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.3.75 |
| <b>Syntax</b>      | OCTET STRING                 |
| <b>Max-Access</b>  | not-accessible               |
| <b>Status</b>      | current                      |
| <b>Description</b> | Port link is down            |

## KN Series Generic

This section lists and defines the MIB objects used for the KNseries:

- ♦ *Configuration Objects*
- ♦ *KVM Device Objects*
- ♦ *KVM Ports Object*

### Configuration Objects

#### Operating Mode

- ♦ **forceALLToGray**

|                    |                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.1.1                                                                                            |
| <b>Syntax</b>      | INTEGER {unchecked(0),checked(1)}                                                                                           |
| <b>Max-Access</b>  | read-write                                                                                                                  |
| <b>Status</b>      | current                                                                                                                     |
| <b>Description</b> | Sets mode Force All to Grayscale<br>unchecked(0) disable Force All to Grayscale<br>checked(1) enable Force All to Grayscale |

- ♦ **enableClientAPDeviceList**

|                    |                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.1.2                                                                                                       |
| <b>Syntax</b>      | INTEGER {unchecked(0),checked(1)}                                                                                                      |
| <b>Max-Access</b>  | read-write                                                                                                                             |
| <b>Status</b>      | current                                                                                                                                |
| <b>Description</b> | Sets mode Enable Client AP Device List<br>unchecked(0) disable Enable Client AP Device List<br>checked(1) Enable Client AP Device List |

♦ **enableAdapterID**

|                    |                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.1.3                                                                      |
| <b>Syntax</b>      | INTEGER {unchecked(0),checked(1)}                                                                     |
| <b>Max-Access</b>  | read-write                                                                                            |
| <b>Status</b>      | current                                                                                               |
| <b>Description</b> | Sets mode Enable Adapter ID<br>unchecked(0) disable Enable Adapter ID<br>checked(1) Enable Adapter ID |

♦ **enableLocalConsoleCascade**

|                    |                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.1.4                                                                                                       |
| <b>Syntax</b>      | INTEGER {unchecked(0),checked(1)}                                                                                                      |
| <b>Max-Access</b>  | read-write                                                                                                                             |
| <b>Status</b>      | current                                                                                                                                |
| <b>Description</b> | Sets mode Enable Local Console Cascade<br>unchecked(0) disable Enable Local Console Cascade<br>checked(1) Enable Local Console Cascade |

♦ **enableFirstLogonTransfer**

|                    |                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.1.5                                                                                                    |
| <b>Syntax</b>      | INTEGER {unchecked(0),checked(1)}                                                                                                   |
| <b>Max-Access</b>  | read-write                                                                                                                          |
| <b>Status</b>      | current                                                                                                                             |
| <b>Description</b> | Sets mode Enable First Logon Transfer<br>unchecked(0) disable Enable First Logon Transfer<br>checked(1) Enable First Logon Transfer |

♦ **keyboardMouseBroadcast**

|                    |                                                                                 |
|--------------------|---------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.1.6                                                |
| <b>Syntax</b>      | INTEGER<br>{disable(0),enablekeyboard(1),enablemouse(2),enablekeyboardmouse(3)} |
| <b>Max-Access</b>  | read-write                                                                      |
| <b>Status</b>      | current                                                                         |
| <b>Description</b> | Sets Keyboard Mouse Broadcast option                                            |

♦ **consoleKeyboardLanguage**

|                    |                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.1.7                                                                                                                                |
| <b>Syntax</b>      | INTEGER<br>{chinese(0),englishUK(1),englishUS(2),french(3),german(4),hungarian(5),italian(6),japanese(7),korean(8),spanish(9),swedish(10),swiss(11),turkey(12)} |
| <b>Max-Access</b>  | read-write                                                                                                                                                      |
| <b>Status</b>      | current                                                                                                                                                         |
| <b>Description</b> | Sets Console Keyboard Language                                                                                                                                  |

**Network**♦ **ipInstaller**

|                    |                                              |
|--------------------|----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.1             |
| <b>Syntax</b>      | INTEGER {disabled(0),viewOnly(1),enabled(2)} |
| <b>Max-Access</b>  | read-write                                   |
| <b>Status</b>      | current                                      |
| <b>Description</b> | Sets IPInstaller option                      |

♦ **servicePortsProgram**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.2 |
| <b>Syntax</b>      | INTEGER                          |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets Service Ports -- Program    |

♦ **servicePortsHTTP**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.3 |
| <b>Syntax</b>      | INTEGER                          |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets Service Ports -- HTTP       |

♦ **servicePortsHTTPS**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.4 |
| <b>Syntax</b>      | INTEGER                          |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets Service Ports -- HTTPS      |

♦ **servicePortsSSH**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.5 |
| <b>Syntax</b>      | INTEGER                          |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets Service Ports -- SSH        |

♦ **servicePortsTelnet**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.6 |
| <b>Syntax</b>      | INTEGER                          |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets Service Ports -- Telnet     |

♦ **redundantNIC**

|                    |                                   |
|--------------------|-----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.7  |
| <b>Syntax</b>      | INTEGER {unchecked(0),checked(1)} |
| <b>Max-Access</b>  | read-write                        |
| <b>Status</b>      | current                           |
| <b>Description</b> | Sets Redundant option             |

**Network Adapter****Adapter 1**♦ **adapter1V4IPADDSEL**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.1 |
| <b>Syntax</b>      | INTEGER {dhcp(0),fixedip(1)}         |
| <b>Max-Access</b>  | read-write                           |
| <b>Status</b>      | current                              |
| <b>Description</b> | Sets Adapter 1 how to get IP Address |

♦ **adapter1V4FIXIPAddress**

|                    |                                           |
|--------------------|-------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.2      |
| <b>Syntax</b>      | DISPLAYSTRING                             |
| <b>Max-Access</b>  | read-write                                |
| <b>Status</b>      | current                                   |
| <b>Description</b> | Sets Adapter 1 IP Address (Fixed IP mode) |

## ♦ adapter1V4FIXIPSubnet

|                    |                                            |
|--------------------|--------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.3       |
| <b>Syntax</b>      | DISPLAYSTRING                              |
| <b>Max-Access</b>  | read-write                                 |
| <b>Status</b>      | current                                    |
| <b>Description</b> | Sets Adapter 1 Subnet Mask (Fixed IP mode) |

## ♦ adapter1V4FIXIPGateway

|                    |                                                |
|--------------------|------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.4           |
| <b>Syntax</b>      | DISPLAYSTRING                                  |
| <b>Max-Access</b>  | read-write                                     |
| <b>Status</b>      | current                                        |
| <b>Description</b> | Sets Adapter 1 Default Gateway (Fixed IP mode) |

## ♦ adapter1V4DNSSEL

|                    |                                              |
|--------------------|----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.5         |
| <b>Syntax</b>      | INTEGER {dnsautomatically(0),dnsmanually(1)} |
| <b>Max-Access</b>  | read-write                                   |
| <b>Status</b>      | current                                      |
| <b>Description</b> | Sets Adapter 1 Obtain DNS method             |

## ♦ adapter1V4PREDNS

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.6 |
| <b>Syntax</b>      | DISPLAYSTRING                        |
| <b>Max-Access</b>  | read-write                           |
| <b>Status</b>      | current                              |
| <b>Description</b> | Sets Adapter 1 Preferred DNS Server  |

♦ **adapter1V4ALTDNS**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.7 |
| <b>Syntax</b>      | DISPLAYSTRING                        |
| <b>Max-Access</b>  | read-write                           |
| <b>Status</b>      | current                              |
| <b>Description</b> | Sets Adapter 1 Alternate DNS Server  |

♦ **adapter1V6IPADDSEL**

|                    |                                         |
|--------------------|-----------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.8    |
| <b>Syntax</b>      | INTEGER {dhcp(0),fixedip(1)}            |
| <b>Max-Access</b>  | read-write                              |
| <b>Status</b>      | current                                 |
| <b>Description</b> | Sets Adapter 1 V6 how to get IP Address |

♦ **adapter1V6FIXIPAddress**

|                    |                                              |
|--------------------|----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.9         |
| <b>Syntax</b>      | DISPLAYSTRING                                |
| <b>Max-Access</b>  | read-write                                   |
| <b>Status</b>      | current                                      |
| <b>Description</b> | Sets Adapter 1 V6 IP Address (Fixed IP mode) |

♦ **adapter1V6FIXIPSubnet**

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.10                          |
| <b>Syntax</b>      | INTEGER                                                        |
| <b>Max-Access</b>  | read-write                                                     |
| <b>Status</b>      | current                                                        |
| <b>Description</b> | Sets Adapter 1 V6 Subnet Prefix length (0-128) (Fixed IP mode) |

## ♦ adapter1V6FIXIPGateway

|                    |                                                   |
|--------------------|---------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.11             |
| <b>Syntax</b>      | DISPLAYSTRING                                     |
| <b>Max-Access</b>  | read-write                                        |
| <b>Status</b>      | current                                           |
| <b>Description</b> | Sets Adapter 1 V6 Default Gateway (Fixed IP mode) |

## ♦ adapter1V6DNSSEL

|                    |                                              |
|--------------------|----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.12        |
| <b>Syntax</b>      | INTEGER {dnsautomatically(0),dnsmanually(1)} |
| <b>Max-Access</b>  | read-write                                   |
| <b>Status</b>      | current                                      |
| <b>Description</b> | Sets Adapter 1 V6 Obtain DNS method          |

## ♦ adapter1V6PREDNS

|                    |                                        |
|--------------------|----------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.13  |
| <b>Syntax</b>      | DISPLAYSTRING                          |
| <b>Max-Access</b>  | read-write                             |
| <b>Status</b>      | current                                |
| <b>Description</b> | Sets Adapter 1 V6 Preferred DNS Server |

## ♦ adapter1V6ALTDNS

|                    |                                        |
|--------------------|----------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.14  |
| <b>Syntax</b>      | DISPLAYSTRING                          |
| <b>Max-Access</b>  | read-write                             |
| <b>Status</b>      | current                                |
| <b>Description</b> | Sets Adapter 1 V6 Alternate DNS Server |

♦ **adapter1TransferRate**

|                    |                                               |
|--------------------|-----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.1.15         |
| <b>Syntax</b>      | INTEGER                                       |
| <b>Max-Access</b>  | read-write                                    |
| <b>Status</b>      | current                                       |
| <b>Description</b> | Sets Adapter 1 Network Transfer Rate(4-99999) |

**Adapter 2**♦ **adapter2V4IPADDSEL**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.1 |
| <b>Syntax</b>      | INTEGER {dhcp(0),fixedip(1)}         |
| <b>Max-Access</b>  | read-write                           |
| <b>Status</b>      | current                              |
| <b>Description</b> | Sets Adapter 2 how to get IP Address |

♦ **adapter2V4FIXIPAddress**

|                    |                                           |
|--------------------|-------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.2      |
| <b>Syntax</b>      | DISPLAYSTRING                             |
| <b>Max-Access</b>  | read-write                                |
| <b>Status</b>      | current                                   |
| <b>Description</b> | Sets Adapter 2 IP Address (Fixed IP mode) |

♦ **adapter2V4FIXIPSubnet**

|                    |                                            |
|--------------------|--------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.3       |
| <b>Syntax</b>      | DISPLAYSTRING                              |
| <b>Max-Access</b>  | read-write                                 |
| <b>Status</b>      | current                                    |
| <b>Description</b> | Sets Adapter 2 Subnet Mask (Fixed IP mode) |

♦ **adapter2V4FIXIPGateway**

|                    |                                                |
|--------------------|------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.4           |
| <b>Syntax</b>      | DISPLAYSTRING                                  |
| <b>Max-Access</b>  | read-write                                     |
| <b>Status</b>      | current                                        |
| <b>Description</b> | Sets Adapter 2 Default Gateway (Fixed IP mode) |

♦ **adapter2V4DNSSEL**

|                    |                                              |
|--------------------|----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.5         |
| <b>Syntax</b>      | INTEGER {dnsautomatically(0),dnsmanually(1)} |
| <b>Max-Access</b>  | read-write                                   |
| <b>Status</b>      | current                                      |
| <b>Description</b> | Sets Adapter 2 Obtain DNS method             |

♦ **adapter2V4PREDNS**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.6 |
| <b>Syntax</b>      | DISPLAYSTRING                        |
| <b>Max-Access</b>  | read-write                           |
| <b>Status</b>      | current                              |
| <b>Description</b> | Sets Adapter 2 Preferred DNS Server  |

♦ **adapter2V4ALTDNS**

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.7 |
| <b>Syntax</b>      | DISPLAYSTRING                        |
| <b>Max-Access</b>  | read-write                           |
| <b>Status</b>      | current                              |
| <b>Description</b> | Sets Adapter 2 Alternate DNS Server  |

♦ **adapter2V6IPADDSEL**

|                    |                                         |
|--------------------|-----------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.8    |
| <b>Syntax</b>      | INTEGER {dhcp(0),fixedip(1)}            |
| <b>Max-Access</b>  | read-write                              |
| <b>Status</b>      | current                                 |
| <b>Description</b> | Sets Adapter 2 V6 how to get IP Address |

♦ **adapter2V6FIXIPAddress**

|                    |                                              |
|--------------------|----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.9         |
| <b>Syntax</b>      | DISPLAYSTRING                                |
| <b>Max-Access</b>  | read-write                                   |
| <b>Status</b>      | current                                      |
| <b>Description</b> | Sets Adapter 2 V6 IP Address (Fixed IP mode) |

♦ **adapter2V6FIXIPSubnet**

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.10                          |
| <b>Syntax</b>      | INTEGER                                                        |
| <b>Max-Access</b>  | read-write                                                     |
| <b>Status</b>      | current                                                        |
| <b>Description</b> | Sets Adapter 2 V6 Subnet Prefix length (0-128) (Fixed IP mode) |

♦ **adapter2V6FIXIPGateway**

|                    |                                                   |
|--------------------|---------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.11             |
| <b>Syntax</b>      | DISPLAYSTRING                                     |
| <b>Max-Access</b>  | read-write                                        |
| <b>Status</b>      | current                                           |
| <b>Description</b> | Sets Adapter 2 V6 Default Gateway (Fixed IP mode) |

## ♦ adapter2V6DNSSEL

|                    |                                              |
|--------------------|----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.12        |
| <b>Syntax</b>      | INTEGER {dnsautomatically(0),dnsmanually(1)} |
| <b>Max-Access</b>  | read-write                                   |
| <b>Status</b>      | current                                      |
| <b>Description</b> | Sets Adapter 2 V6 Obtain DNS method          |

## ♦ adapter2V6PREDNS

|                    |                                        |
|--------------------|----------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.13  |
| <b>Syntax</b>      | DISPLAYSTRING                          |
| <b>Max-Access</b>  | read-write                             |
| <b>Status</b>      | current                                |
| <b>Description</b> | Sets Adapter 2 V6 Preferred DNS Server |

## ♦ adapter2V6ALTDNS

|                    |                                        |
|--------------------|----------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.14  |
| <b>Syntax</b>      | DISPLAYSTRING                          |
| <b>Max-Access</b>  | read-write                             |
| <b>Status</b>      | current                                |
| <b>Description</b> | Sets Adapter 2 V6 Alternate DNS Server |

## ♦ adapter2TransferRate

|                    |                                               |
|--------------------|-----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.8.2.15         |
| <b>Syntax</b>      | INTEGER                                       |
| <b>Max-Access</b>  | read-write                                    |
| <b>Status</b>      | current                                       |
| <b>Description</b> | Sets Adapter 2 Network Transfer Rate(4-99999) |

♦ **applyReset**

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.2.9                       |
| <b>Syntax</b>      | INTEGER {unchecked(0),checked(1)}                      |
| <b>Max-Access</b>  | read-write                                             |
| <b>Status</b>      | current                                                |
| <b>Description</b> | Resets device to make network modification take effect |

**LogServer**♦ **logServerEnable**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.3.1 |
| <b>Syntax</b>      | INTEGER {disable(0),enable(1)}   |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Enables/disables Log Server      |

♦ **logServerMAC**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.3.2 |
| <b>Syntax</b>      | DISPLAYSTRING                    |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets Log Server's MAC Address    |

♦ **logServerPort**

|                    |                                       |
|--------------------|---------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.3.3      |
| <b>Syntax</b>      | INTEGER                               |
| <b>Max-Access</b>  | read-write                            |
| <b>Status</b>      | current                               |
| <b>Description</b> | Sets Log Server Service Port(1-65535) |

## LogServer

### ♦ snmpTrapEnable

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.4.1 |
| <b>Syntax</b>      | INTEGER {disable(0),enable(1)}   |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Enables/disables SNMP Trap       |

### ♦ snmpTrapIP

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.4.2 |
| <b>Syntax</b>      | DISPLAYSTRING                    |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets SNMP Trap's Server IP       |

### ♦ snmpTrapPort

|                    |                                      |
|--------------------|--------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.4.3     |
| <b>Syntax</b>      | INTEGER                              |
| <b>Max-Access</b>  | read-write                           |
| <b>Status</b>      | current                              |
| <b>Description</b> | Sets SNMP Trap Service Port(1-65535) |

## Syslog

### ♦ syslogEnable

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.5.1 |
| <b>Syntax</b>      | INTEGER {disable(0),enable(1)}   |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Enables/disables Syslog Server   |

♦ **syslogIP**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.5.2 |
| <b>Syntax</b>      | DISPLAYSTRING                    |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets Syslog Server IP            |

♦ **syslogPort**

|                    |                                          |
|--------------------|------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.5.3         |
| <b>Syntax</b>      | INTEGER                                  |
| <b>Max-Access</b>  | read-write                               |
| <b>Status</b>      | current                                  |
| <b>Description</b> | Sets Syslog Server Service Port(1-65535) |

**ccManagement**♦ **ccManagementEnable**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.6.1 |
| <b>Syntax</b>      | INTEGER {disable(0),enable(1)}   |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Enables/disables CC Management   |

♦ **ccManagementIP**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.6.2 |
| <b>Syntax</b>      | DISPLAYSTRING                    |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets CC Management Server IP     |

♦ **ccManagementPort**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.6.3 |
| <b>Syntax</b>      | INTEGER                          |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets CC Management Port(1-65535) |

**comSetting**♦ **com1Option**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.7.1 |
| <b>Syntax</b>      | INTEGER {pdu(0),serialport(1)}   |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets COM1 option                 |

♦ **com2Option**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.7.2 |
| <b>Syntax</b>      | INTEGER {modem(0),serialport(1)} |
| <b>Max-Access</b>  | read-write                       |
| <b>Status</b>      | current                          |
| <b>Description</b> | Sets COM2 option                 |

**deviceInformation**♦ **manufactoryNo**

|                    |                                   |
|--------------------|-----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.8.1  |
| <b>Syntax</b>      | DISPLAYSTRING                     |
| <b>Max-Access</b>  | read-only                         |
| <b>Status</b>      | current                           |
| <b>Description</b> | Gets Device's manufacturer number |

♦ **version**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.8.2 |
| <b>Syntax</b>      | DISPLAYSTRING                    |
| <b>Max-Access</b>  | read-only                        |
| <b>Status</b>      | current                          |
| <b>Description</b> | Gets current firmware's version  |

**environmentStatus**♦ **PSU1Status**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.9.1 |
| <b>Syntax</b>      | DISPLAYSTRING                    |
| <b>Max-Access</b>  | read-only                        |
| <b>Status</b>      | current                          |
| <b>Description</b> | Gets PSU1's status               |

♦ **PSU2Status**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.9.2 |
| <b>Syntax</b>      | DISPLAYSTRING                    |
| <b>Max-Access</b>  | read-only                        |
| <b>Status</b>      | current                          |
| <b>Description</b> | Gets PSU2's status               |

♦ **fanSpeed**

|                    |                                               |
|--------------------|-----------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.9.3              |
| <b>Syntax</b>      | DISPLAYSTRING                                 |
| <b>Max-Access</b>  | read-only                                     |
| <b>Status</b>      | current                                       |
| <b>Description</b> | Gets the Fan speed status (normal / abnormal) |

♦ **temperature**

|                    |                                                 |
|--------------------|-------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.9.4                |
| <b>Syntax</b>      | DISPLAYSTRING                                   |
| <b>Max-Access</b>  | read-only                                       |
| <b>Status</b>      | current                                         |
| <b>Description</b> | Gets the Temperature status (normal / abnormal) |

♦ **LAN1Status**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.9.5 |
| <b>Syntax</b>      | DISPLAYSTRING                    |
| <b>Max-Access</b>  | read-only                        |
| <b>Status</b>      | current                          |
| <b>Description</b> | Gets LAN1's status               |

♦ **LAN2Status**

|                    |                                  |
|--------------------|----------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.1.9.6 |
| <b>Syntax</b>      | DISPLAYSTRING                    |
| <b>Max-Access</b>  | read-only                        |
| <b>Status</b>      | current                          |
| <b>Description</b> | Gets LAN2's status               |

## **KVM Device Objects**

### **deviceName**

|                    |                                |
|--------------------|--------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.2.1 |
| <b>Syntax</b>      | DISPLAYSTRING                  |
| <b>Max-Access</b>  | read-write                     |
| <b>Status</b>      | current                        |
| <b>Description</b> | Gets device's name             |

### **description**

|                    |                                |
|--------------------|--------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.2.2 |
| <b>Syntax</b>      | DISPLAYSTRING                  |
| <b>Max-Access</b>  | read-only                      |
| <b>Status</b>      | current                        |
| <b>Description</b> | Gets device's description      |

## **KVM Ports Object**

### **portNumber**

|                    |                                |
|--------------------|--------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.3.1 |
| <b>Syntax</b>      | INTEGER32                      |
| <b>Max-Access</b>  | read-only                      |
| <b>Status</b>      | current                        |
| <b>Description</b> | The number of KVM ports        |

**portsTable**

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.3.2                                                       |
| <b>Syntax</b>      | SEQUENCE OF portEntry                                                                |
| <b>Max-Access</b>  | not-accessible                                                                       |
| <b>Status</b>      | current                                                                              |
| <b>Indexes</b>     | portNo                                                                               |
| <b>Description</b> | A list of KVM ports entries. The number of ports is given by the value of portNumber |

♦ **portEntry**

|                    |                                     |
|--------------------|-------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.3.2.1    |
| <b>Syntax</b>      | portEntry                           |
| <b>Max-Access</b>  | not-accessible                      |
| <b>Status</b>      | mandatory                           |
| <b>Indexes</b>     | portNo                              |
| <b>Description</b> | Information applicable to each port |

♦ **portNo**

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.3.2.1.1                  |
| <b>Syntax</b>      | INTEGER                                             |
| <b>Max-Access</b>  | read-only                                           |
| <b>Status</b>      | current                                             |
| <b>Indexes</b>     | portNo                                              |
| <b>Description</b> | A unique value greater than zero for each interface |

♦ **onlineStatus**

|                    |                                    |
|--------------------|------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.3.2.1.2 |
| <b>Syntax</b>      | INTEGER {offline(0),online(1)}     |
| <b>Max-Access</b>  | read-only                          |
| <b>Status</b>      | current                            |
| <b>Indexes</b>     | portNo                             |
| <b>Description</b> | Port online/offline status         |

♦ **portName**

|                    |                                    |
|--------------------|------------------------------------|
| <b>OID</b>         | 1.3.6.1.4.1.21317.1.3.1.13.3.2.1.3 |
| <b>Syntax</b>      | DISPLAYSTRING                      |
| <b>Max-Access</b>  | read-only                          |
| <b>Status</b>      | current                            |
| <b>Indexes</b>     | portNo                             |
| <b>Description</b> | Port name                          |

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