



Simply Better Connections

ATEN CCKM Agent / Trap MIB Reference Guide

KE Series / KE8980MR / KX Series

Overview

This section provides information about the MIBs supported in KVM over IP Switches, with the corresponding MIB version listed below.

KVM over IP Matrix Manager	MIB Version
ATEN CCKM	v2.4.235

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.
- ◆ **software** (.1.3.6.1.4.1.21317.1.2)
This is a subtree for ATEN IP-based products.
 - ◆ **cckm** (.1.3.6.1.4.1.21317.1.2.6)
Defines the MIB objects and traps for ATEN KVM over IP Switches.
 - ◆ **cckmAgent** (.1.3.6.1.4.1.21317.1.2.6.2)
 - ◆ **cckmTrap** (.1.3.6.1.4.1.21317.1.2.6.3)

Downloading MIB Files

To download the latest MIB files:

1. Visit the official product page of your ATEN CCKM.
2. Scroll down to locate the **MIB File** section. For example:

MIB File				
	MIB Files	v2.2.216	2021-12-03	cckm_MIB_File_v2.2.216.zip

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
```

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

♦ 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
```

CCKM Agent

This section lists and defines the Agent MIB objects used for the CCKM:

- ♦ *mgrSystem Objects*
 - ♦ *mgrGeneral*
 - ♦ *mgrGeneralBasic*
 - ♦ *mgrGeneralNetworkPorts*
 - ♦ *mgrGeneralFastSwitching*
 - ♦ *mgrGeneralAccountPolicy*
 - ♦ *mgrGeneralCLIMode*
 - ♦ *mgrGeneralReceiverLoginSetting*
 - ♦ *mgrGeneralEDIDMode*
 - ♦ *mgrGeneralConnectionRedundancy*
 - ♦ *mgrGeneralClientViewer*
 - ♦ *mgrGeneralPopupAlert*
- ♦ *receivers Objects*
- ♦ *transmitters Objects*

mgrSystem Objects

mgrGeneral

mgrGeneralBasic

- ♦ *cckmVersion*

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.1
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Description	A textual string containing KE matrix Manager version

♦ **cckmSerialNumber**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Description	A textual string containing KE matrix Manager serial number

♦ **cckmName**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.3
Syntax	DISPLAYSTRING (SIZE (0..30))
Max-Access	read-write
Status	mandatory
Description	A textual string containing KE matrix Manager name

♦ **cckmDescription**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.4
Syntax	DISPLAYSTRING (SIZE (0..32))
Max-Access	read-write
Status	mandatory
Description	A textual string containing description of KE matrix Manager

♦ **cckmBeeper**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.6
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-write
Status	mandatory
Description	An integer coded for Beep on/off status in KE device

♦ **cckmTimeout**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.7
Syntax	INTEGER (0..180)
Max-Access	read-write
Status	mandatory
Description	An integer coded for KE Manager Timeout value, 0:timeout is disable, 1-180: (min) timeout value

♦ **cckmAuthenticaiionLock**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.8
Syntax	INTEGER (0..10000)
Max-Access	read-write
Status	mandatory
Description	An integer coded for Authentication Lock value, 0: The Lock is disable, >=1: (Seconds) time value of Lock

♦ **cckmBoundlessSwitchingFocus**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.9
Syntax	INTEGER (0..30 255)
Max-Access	read-write
Status	mandatory
Description	An integer coded for Boundless Switching Focus, 0-30: focus time, 255: always

♦ **cckmPushLogin**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.10
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-write
Status	mandatory
Description	An integer coded for push/pull login check

♦ **cckmRFIDLogin**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.1.11
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-write
Status	mandatory
Description	An integer coded for FRID login check

mgrGeneralNetworkPorts♦ **netHttpPort**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.2.1
Syntax	INTEGER
Max-Access	read-write
Status	mandatory
Description	An integer value for http port Ke manager listen on

♦ **netHttpsPort**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.2.2
Syntax	INTEGER
Max-Access	read-write
Status	mandatory
Description	An integer value for https port Ke manager listen on

♦ **netDevicePort**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.2.3
Syntax	INTEGER
Max-Access	read-write
Status	mandatory
Description	An integer value for TCP port KE device(RX/TX) connect to

mgrGeneralFastSwitching

♦ fastSwitchingResolution

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.3.1
Syntax	INTEGER {disable(0), res1920x1200 (1), res1920x1080 (2), res1680x1050 (3), res1600x1200 (4), res1600x900 (5), res1440x900 (6), res1440x1050 (7), res1366x768 (8), res1280x1024 (9), res1280x960 (10), res1280x720 (11), res1152x864 (12), res1024x768 (13), res800x600 (14), res720x400 (15), res640x480 (16)}
Max-Access	read-write
Status	mandatory
Description	An integer value coded for resolution in fast switching

mgrGeneralAccountPolicy

♦ enforcePassordHistoryEnable

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.4.1
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-write
Status	mandatory
Description	An integer indicate if the enforce password history is enabled

♦ enforcePassordHistoryTimes

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.4.2
Syntax	INTEGER (1..9)
Max-Access	read-write
Status	mandatory
Description	An integer indicate the enabled enforce password history times, 1-9: times of history

♦ **enforcePasswordRule**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.4.3
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-write
Status	mandatory
Description	An integer value coded for enhance password rule

mgrGeneralCLIMode♦ **cliLogin**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.5.1
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-write
Status	mandatory
Description	An integer indicate CLI login disabled or enabled

mgrGeneralReceiverLoginSetting♦ **anonymousLoginRxList**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.6.1
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Description	A textual string of a list of RX device ID (NOT RX name, format is like ['001074C9F0070000','001074BE70130000']) that can be used in anonymous login

♦ **anonymousLoginUserName**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.6.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Description	A textual string of user name that can be used in anonymous login

mgrGeneralEDIDMode♦ **edidMode**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.7.1
Syntax	INTEGER {Customized(0), ATENDefault(1), Auto(2), Manual(3), Remix(4)}
Max-Access	read-only
Status	mandatory
Description	An integer standing for EDID mode the TX use

♦ **customizedList**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.7.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Description	A textual string of a list of TX device ID and its EDID mode. format is JSON format {TxID: EDID, TxID: EDID} ex: {'001074A912B00000':'1','001074A9FF0C0000':'2'}

mgrGeneralConnectionRedundancy

♦ connectionRedundancy

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.8.1
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-only
Status	mandatory
Description	An integer standing for connection redundancy disable or enable status

♦ connectionRedundancyAlarmSound

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.8.2
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-only
Status	mandatory
Description	An integer standing for Alarm sound disable or enable in Connection Redundancy selection dialogbox

♦ RedundancyListNumber

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.8.3
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Description	The number of receiver present on this system

♦ RedundancyTable

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.8.4
Syntax	SEQUENCE OF RedundancyEntry
Max-Access	not-accessible
Status	mandatory
Indexes	priorityIndex
Description	Priority list of Connection Redundancy entries. The number of entries is given by the value of RedundancyListNumber

♦ **redundancyEntry**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.8.4.1
Syntax	RedundancyEntry
Max-Access	not-accessible
Status	mandatory
Indexes	priorityIndex
Description	A Priority list entry containing priority list id, item name, Receiver list and Transmitter list

♦ **priorityIndex**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.8.4.1.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	priorityIndex
Description	A unique value for each priority item. Its value ranges between 1 and the value of RedundancyListNumber

♦ **priorityItemName**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.8.4.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	priorityIndex
Description	A textual string containing priority Item Name

♦ **priorityRxArray**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.8.4.1.3
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	priorityIndex
Description	A textual string containing priority item's receiver ID array, format is like ['001074CBF0070000','0010747E70130000']

♦ **priorityTxArray**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.8.4.1.4
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	priorityIndex
Description	A textual string containing priority item's transmitter ID array, format is like ['001074C9F0070000','001074BE70130000']

mgrGeneralClientViewer♦ **viewerLoginAccess**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.9.1
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Description	A textual string containing java/windows client login access priority list

mgrGeneralPopupAlert

♦ popupAlert

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.1
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-only
Status	mandatory
Description	An integer standing for Pop-up Alert disable or enable status

♦ popupAlertAlarmSound

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.2
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-only
Status	mandatory
Description	An integer standing for Alarm sound disable or enable in Pop-up Alert selection dialogbox

♦ txNetworkDetectionTable

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3
Syntax	SEQUENCE OF txNetworkDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	txIndex
Description	Transmitter list of network detection entries

♦ txNetworkDetectionEntry

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1
Syntax	txNetworkDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	txIndex
Description	A Transmitter list entry containing transmitter list id, name, model, IP address, unplugged upper SFP, unplugged lower SFP, Network failover and Device offline

♦ txIndex

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A unique value for each transmitter item

♦ txName

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A textual string containing transmitter Item's Name

♦ **txModel**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1.3
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A textual string containing transmitter item's model name

♦ **txIPAddr**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1.4
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A textual string containing transmitter item's IP address

♦ **txUnpluggedUpperSFP**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1.5
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A integer for transmitter item's unplugged upper SFP

♦ **txUnpluggedLowerSFP**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1.6
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A integer for transmitter item's unplugged lower SFP

♦ **txUnpluggedCopper**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1.7
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A integer for transmitter item's unplugged copper

♦ **txNetworkFailover**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1.8
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A integer for transmitter item's network failover

♦ **txDeviceOffline**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.3.1.9
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A integer for transmitter item's device offline

♦ **rxNetworkDetectionTable**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4
Syntax	SEQUENCE OF rxNetworkDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	rxIndex
Description	Receiver list of network detection entries

♦ **rxNetworkDetectionEntry**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1
Syntax	rxNetworkDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	rxIndex
Description	A Receiver list entry containing receiver list id, name, model, IP address, unplugged upper SFP, unplugged lower SFP, Network failover and Device offline

♦ **rxIndex**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A unique value for each receiver item

♦ **rxName**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A textual string containing receiver Item's Name

♦ **rxModel**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1.3
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A textual string containing receiver item's model name

♦ **rxIPAddr**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1.4
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A textual string containing receiver item's IP address

♦ **rxUnpluggedUpperSFP**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1.5
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A integer for receiver item's unplugged upper SFP

♦ **rxUnpluggedLowerSFP**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1.6
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A integer for receiver item's unplugged lower SFP

♦ **rxUnpluggedCopper**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1.7
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A integer for receiver item's unplugged copper

♦ **rxNetworkFailover**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1.8
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A integer for receiver item's network failover

♦ **rxDeviceOffline**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.4.1.9
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A integer for receiver item's device offline

♦ **cckmDisconnectDetectionTable**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.5
Syntax	SEQUENCE OF cckmDisconnectDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	cckmIndex
Description	CCKM Server list of disconnection detection entries

♦ **cckmDisconnectDetectionEntry**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.5.1
Syntax	cckmDisconnectDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	cckmIndex
Description	A CCKM Server list entry containing server list Server Role, Server IP, Disconnection Detection

♦ **cckmIndex**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.5.1.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	cckmIndex
Description	A unique value for each CCKM Server item

♦ **cckmServerRole**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.5.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	cckmIndex
Description	A textual string containing CCKM Server item's Role

♦ **cckmServerIP**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.5.1.3
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	cckmIndex
Description	A textual string containing CCKM Server item's IP address

♦ **cckmDisconnetDetection**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.5.1.4
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	cckmIndex
Description	A integer for CCKM Server item's disconnection detection

♦ **txPowerDetectionTable**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.6
Syntax	SEQUENCE OF txPowerDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	txPowerIndex
Description	Transmitter list of power detection entries

♦ txPowerDetectionEntry

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.6.1
Syntax	txPowerDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	txPowerIndex
Description	A Transmitter list entry containing transmitter list id, name, model, IP address, DC Jack 1 Power Failure, DC Jack 2 Power Failure

♦ txPowerIndex

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.6.1.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txPowerIndex
Description	A unique value for each transmitter item

♦ txPowerName

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.6.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	txPowerIndex
Description	A textual string containing transmitter Item's Name

♦ **txPowerModel**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.6.1.3
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	txPowerIndex
Description	A textual string containing transmitter item's model name

♦ **txPowerIPAddr**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.6.1.4
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	txPowerIndex
Description	A textual string containing transmitter item's IP address

♦ **txDCJack1PowerFailure**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.6.1.5
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txPowerIndex
Description	A integer for transmitter item's DC Jack 1 Power Failure

♦ **txDCJack2PowerFailure**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.6.1.6
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txPowerIndex
Description	A integer for transmitter item's DC Jack 2 Power Failure

♦ **rxPowerDetectionTable**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.7
Syntax	SEQUENCE OF rxPowerDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	rxPowerIndex
Description	Receiver list of power detection entries

♦ **rxPowerDetectionEntry**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.7.1
Syntax	rxPowerDetectionEntry
Max-Access	not-accessible
Status	mandatory
Indexes	rxPowerIndex
Description	A Receiver list entry containing receiver list id, name, model, IP address, DC Jack 1 Power Failure, DC Jack 2 Power Failure

♦ **rxPowerIndex**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.7.1.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxPowerIndex
Description	A unique value for each receiver item

♦ **rxPowerName**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.7.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxPowerIndex
Description	A textual string containing receiver Item's Name

♦ **rxPowerModel**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.7.1.3
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxPowerIndex
Description	A textual string containing receiver item's model name

♦ **rxPowerIPAddr**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.7.1.4
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxPowerIndex
Description	A textual string containing receiver item's IP address

♦ **rxDCJack1PowerFailure**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.7.1.5
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxPowerIndex
Description	A integer for receiver item's DC Jack 1 Power Failure

♦ **rxDCJack2PowerFailure**

OID	1.3.6.1.4.1.21317.1.2.6.2.1.1.10.7.1.6
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxPowerIndex
Description	A integer for receiver item's DC Jack 2 Power Failure

receivers Objects**rxNumber**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Description	The number of receiver present on this system

rxTable

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2
Syntax	SEQUENCE OF RxEntry
Max-Access	not-accessible
Status	mandatory
Indexes	rxIndex
Description	A list of receiver entries. The number of entries is given by the value of rxNumber

♦ **rxEntry**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1
Syntax	RxEntry
Max-Access	not-accessible
Status	mandatory
Indexes	rxIndex
Description	An rxlist entry containing receivers managed in KE manager

♦ **rxIndex**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A unique value for each receiver. Its value ranges between 1 and the value of rxNumber

♦ **rxDeviceID**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A textual string containing device ID assigned from KE Manager, like 0010748001010000

♦ **rxStatus**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.3
Syntax	INTEGER {off(0), on(1)}
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	An integer coded for the status of the KE device

♦ **rxDeviceName**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.4
Syntax	DISPLAYSTRING
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	A textual string containing device name of receiver

♦ **rxDescription**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.5
Syntax	DISPLAYSTRING
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	A textual string containing device description of receiver

♦ **rxModelName**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.6
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A textual string containing device model name of receiver, like KE6940AR, KE8950R

♦ **rxDeviceIP**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.7
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A textual string containing device IP address of receiver, like 192.168.0.10

♦ **rxDeviceMAC**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.8
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	rxIndex
Description	A textual string containing device MAC address of receiver, like 00-10-74-80-01-01

♦ **rxLocation**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.9
Syntax	DISPLAYSTRING
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	A textual string containing location of receiver

♦ **rxMode**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.10
Syntax	INTEGER {extender(0), matrix (1)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for mode in KE device, 0: extender, 1: matrix

♦ **rxEnVideo**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.11
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for availability of Video in Receiver

♦ **rxEnAudio**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.12
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for availability of Audio in Receiver

♦ **rxEnUSB**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.13
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for availability of USB in Receiver

♦ **rxEnRS232**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.14
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for availability of RS232 in Receiver

♦ **rxCckmIP**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.15
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	IP address of KE Manager, like 192.168.2.100

♦ **rxCckmPort**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.16
Syntax	INTEGER
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer standing for KE Manager's TCP listen port for KE device, like 9110. Range from 1024-65535

♦ **rxIpInstaller**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.17
Syntax	INTEGER {disable(2), enable (1), viewOnly(0)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for availability of IPInstaller in for this Receiver

♦ **rxTransmitterVideoIP**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.18
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	IP address of the transmitter providing video in extender mode

♦ **rxTransmitterAudioIP**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.1.19
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	IP address of the transmitter providing audio in extender mode

♦ **rxTransmitterUSBIP**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.1.20
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	IP address of the transmitter providing USB in extender mode

♦ **rxTransmitterRS232IP**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.1.21
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	IP address of the transmitter providing RS232 in extender mode

♦ **rxDhcp**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.22
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for availability of DHCP in Receiver

♦ **rxIpAddress**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.23
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	IP address of this Receiver, it's available when DHCP is disabled

♦ **rxSubnetMask**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.24
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	The subnet mask of this Receiver, it's available when DHCP is disabled

♦ **rxDefaultGateway**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.25
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	Default gateway of this Receiver, it's available when DHCP is disabled

♦ **rxBaudRate**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.26
Syntax	INTEGER {b300(1), b600(2), b1200(3), b2400(4), b4800(5), b9600(6), b19200(7), b38400(8), b57600(9), b115200(10)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for baud rate of RS232 port in Receiver

♦ **rxParity**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.27
Syntax	INTEGER {none(0), even(1), odd(2)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for parity of Rs232 port in Receiver

♦ **rxDataBits**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.28
Syntax	INTEGER (5 6 7 8)
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for data bits of Rs232 port in Receiver

♦ **rxStopBits**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.29
Syntax	INTEGER {stopbits1(0), stopbits1_5(1), stopbits2(2)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for stop bits of Rs232 port in Receiver

♦ **rxFlowControl**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.30
Syntax	INTEGER {none(0), hardware(1), xon_xoff(2)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for flow control of Rs232 port in Receiver

♦ **rxPasswordProtectionMode**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.31
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for password protection of the accessing receiver

♦ **rxPasswordProtectionPassword**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.32
Syntax	DISPLAYSTRING
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	Textual string of password for protection of the accessing receiver

♦ **rxUsbMode**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.2.1.33
Syntax	INTEGER {virtualMedia(0), genericUSBDevice (1)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for selecting USB mode in Receiver

♦ **rxUsbEncryption**

OID	1.3.6.1.4.1.21317.1.2.6.2.2.1.34
Syntax	INTEGER {disable(0), enable(1)}
Max-Access	read-write
Status	mandatory
Indexes	rxIndex
Description	An integer coded for setting encryption on/off when USB data transferring between RX/TX

transmitters Objects**txNumber**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Description	The number of transmitter present on this system

txTable

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2
Syntax	SEQUENCE OF TxEntry
Max-Access	not-accessible
Status	mandatory
Indexes	txIndex
Description	A list of transmitters entries. The number of entries is given by the value of txNumber

♦ txEntry

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1
Syntax	TxEntry
Max-Access	not-accessible
Status	mandatory
Indexes	txIndex
Description	An txlist entry containing transmitters managed in KE manager

♦ txIndex

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.1
Syntax	INTEGER
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A unique value for each transmitter. Its value ranges between 1 and the value of txNumber

♦ txDeviceID

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A textual string containing device ID assigned from KE Manager, like 0010748001010000

♦ **txStatus**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.3
Syntax	INTEGER {off(0), on(1)}
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	An integer coded for the status of the KE device

♦ **txDeviceName**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.4
Syntax	DISPLAYSTRING
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	A textual string containing device name of transmitter

♦ **txDescription**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.5
Syntax	DISPLAYSTRING
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	A textual string containing device description of transmitter

♦ txmodelName

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.6
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A textual string containing device model name of transmitter, like KE6940AT, KE8950T

♦ txDeviceIP

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.7
Syntax	IPADDRESS
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	IP address of the transmitter, like 192.168.0.10

♦ txDeviceMAC

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.8
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	mandatory
Indexes	txIndex
Description	A textual string containing device MAC address of transmitter, like 00-10-74-80-01-02

♦ txLocation

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.9
Syntax	DISPLAYSTRING
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	A textual string containing location of transmitter

♦ txMode

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.10
Syntax	INTEGER {extender(0), matrix (1)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for mode in KE device, 0: extender, 1: matrix

♦ txEnVideo

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.11
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for availability of Video in transmitter

♦ txEnAudio

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.12
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for availability of Audio in transmitter

♦ txEnUSB

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.13
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for availability of USB in transmitter

♦ txEnRS232

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.14
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for availability of RS232 in transmitter

♦ txCckmIP

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.15
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	IP address of KE Manager, like 192.168.2.100

♦ txCckmPort

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.16
Syntax	INTEGER
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for KE Manager's TCP listen port for KE device, like 9110. Range from 1024-65535

♦ txIpInstaller

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.17
Syntax	INTEGER {disable(2), enable (1), viewOnly(0)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for availability of IPInstaller in for this transmitter

♦ txEdidMode

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.18
Syntax	INTEGER {ATENDefault(1), Auto(2), Manual(3), Remix(4)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for EDID mode the transmitter use

♦ **txMulticastVideoEn**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.19
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for availability of IGMP/Multicasting working in this TX video

♦ **txMulticastAudioEn**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.20
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for availability of IGMP/Multicasting working in this TX audio

♦ **txOccupyTimeout**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.21
Syntax	INTEGER
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for time value of occupy mode in TX

♦ txPortOS

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.22
Syntax	INTEGER {WIN(0), MACorLINUX(1), SUN(2), Win10version1803orlater(3)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for Port OS in TX

♦ txOsLanguages

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.23
Syntax	INTEGER {EnglisUS(0), Japanese(1), French(2), German(3), Spanish(4), Korean(5), ChineseTraditional(6), EnglishUK(7), Swedish(8), Arabic(9), Belgian(10), Canadian Bilingual(11), French Canada(12), Czech(13), Danish(14), Finnish(15), Greek(16), Hebrew(17), Hungarian(18), InternationalISO(19), Italian(20), LatinAmerican(21), Dutch(22), Norwegian(23), PersianFarsi(24), Polish(25), Portuguese(26), Russian(27), Slovak(28), French Switzerland(29), German Switzerland(30), Switzerland(31), Turkish-Q(33), Serbo Croatian(35), Turkish-F(36)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for OS language in TX

♦ txVideoType

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.24
Syntax	INTEGER {videoDviDDviD(0), videoDviADviD(1), videoDviDDviA(2), videoDviADviA(3), videoHdmi(16), videoDisplayPort(17)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for video type of ports in Transmitter. For single video port, 0 is DVI-D and 1 is DVI-A

♦ txColorDepth

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.25
Syntax	INTEGER {depth_8bits(0), depth_16bits(1), depth_24bits(2)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for color depth in Transmitter

♦ txBandWidth

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.26
Syntax	INTEGER {unlimited(0), bw_100Mbps(1), bw_200Mbps(2), bw_500Mbps(3)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for band width in Transmitter

♦ txVideoQuality

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.27
Syntax	INTEGER {MaximumCompression(1), HeavyCompression(2), MediumCompression(3), LightCompression(4), Lossless(5)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for video quality in Transmitter

♦ txBackgroundRefresh

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.28
Syntax	INTEGER {NoRefresh(0), Every16Frames(1), Every32Frames(2), Every64Frames(3), Every128Frames(4), Every256Frames(5)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer standing for video back ground refresh rate in Transmitter

♦ txDhcp

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.29
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for availability of DHCP in Transmitter

♦ txIpAddress

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.30
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	IP address of this transmitter. It's available when DHCP is disabled

♦ txSubnetMask

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.31
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	Subnet mask of this transmitter. It's available when DHCP is disabled

♦ txDefaultGateway

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.32
Syntax	IPADDRESS
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	Default gateway of this transmitter It's available when DHCP is disabled

♦ txBaudRate

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.33
Syntax	INTEGER {b300(1), b600(2), b1200(3), b2400(4), b4800(5), b9600(6), b19200(7), b38400(8), b57600(9), b115200(10)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for baud rate of RS232 port in Transmitter

♦ **txParity**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.34
Syntax	INTEGER {none(0), even(1), odd(2)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for parity of Rs232 port in Transmitter

♦ **txDataBits**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.35
Syntax	INTEGER (5 6 7 8)
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for data bits of Rs232 port in Transmitter, like 7,8

♦ **txStopBits**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.36
Syntax	INTEGER {stopbits1(0), stopbits1_5(1), stopbits2(2)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for stop bits of Rs232 port in Transmitter

♦ **txFlowControl**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.37
Syntax	INTEGER {none(0), hardware(1), xon_xoff(2)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for flow control of Rs232 port in Transmitter

♦ **txPasswordProtectionMode**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.38
Syntax	INTEGER {disable(0), enable (1)}
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	An integer coded for password protection of the accessing transmitter

♦ **txPasswordProtectionPassword**

OID	1.3.6.1.4.1.21317.1.2.6.2.3.2.1.39
Syntax	DISPLAYSTRING
Max-Access	read-write
Status	mandatory
Indexes	txIndex
Description	Textual string of password for protection of the accessing transmitter

CCKM Trap

This section lists and defines the Trap MIB objects used for the CCKM:

- ♦ *cckmTrap_info* Objects
- ♦ *cckmTrap_device* Objects
- ♦ *cckmTrap_session* Objects
- ♦ *cckmTrap_manager* Objects
- ♦ *cckmTrap_config* Objects
- ♦ *cckmTrap_account* Objects
- ♦ *cckmTrap_server* Objects

cckmTrap_info Objects

trap_description

OID	1.3.6.1.4.1.21317.1.2.6.3.1.1
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	current
Description	Description of this trap

trap_deviceID

OID	1.3.6.1.4.1.21317.1.2.6.3.1.2
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	current
Description	Device ID

trap_account

OID	1.3.6.1.4.1.21317.1.2.6.3.1.3
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	current
Description	User account

trap_deviceName

OID	1.3.6.1.4.1.21317.1.2.6.3.1.4
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	current
Description	Device name

trap_severity

OID	1.3.6.1.4.1.21317.1.2.6.3.1.5
Syntax	DISPLAYSTRING
Max-Access	read-only
Status	current
Description	Trap severity:info, warning and error

cckmTrap_device Objects**cckm_deviceUpgradeStarted**

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6008
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Device upgrade started

cckm_devicePowerOff

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6014
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Device power off

cckm_configModified

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6023
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Device configuration modified

cckm_copperdisconnect

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6026
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Copper disconnected

cckm_fiberdisconnect

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6028
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Fiber disconnected

cckm_Lfiberdisconnect

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6030
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Lower fiber disconnected

cckm_Ufiberdisconnect

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6032
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Upper fiber disconnected

cckm_DIeventTriggered

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6033
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Device DI event has been triggered

cckm_audioAlarmOn

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6035
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Device audio alarm on

cckm_audioAlarmOff

OID	1.3.6.1.4.1.21317.1.2.6.3.2.6036
Status	current
Objects	trap_description, trap_deviceID, trap_severity
Description	Device audio alarm off

cckmTrap_session Objects**cckm_loginsucceed**

OID	1.3.6.1.4.1.21317.1.2.6.3.4.6202
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	Login succeed

cckm_loginfailed

OID	1.3.6.1.4.1.21317.1.2.6.3.4.6203
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	Login failed

cckm_logout

OID	1.3.6.1.4.1.21317.1.2.6.3.4.6204
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	Logout

cckm_login_unauthorized

OID	1.3.6.1.4.1.21317.1.2.6.3.4.6205
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	Login unauthorized

cckm_session_killed

OID	1.3.6.1.4.1.21317.1.2.6.3.4.6223
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	Session killed

cckmTrap_manager Objects**cckm_system_backup**

OID	1.3.6.1.4.1.21317.1.2.6.3.6.6413
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	System backup completed

cckm_system_restore

OID	1.3.6.1.4.1.21317.1.2.6.3.6.6414
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	System restore completed

cckm_certificate_created

OID	1.3.6.1.4.1.21317.1.2.6.3.6.6416
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	A new certificate has been created

cckm_certificate_imported

OID	1.3.6.1.4.1.21317.1.2.6.3.6.6417
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	Certificate import completed

cckm_certificate_restored

OID	1.3.6.1.4.1.21317.1.2.6.3.6.6418
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	Certificate restore completed

cckmTrap_config Objects**cckm_config_generalModified**

OID	1.3.6.1.4.1.21317.1.2.6.3.7.6524
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	General settings modify succeeded

cckm_config_anmsModified

OID	1.3.6.1.4.1.21317.1.2.6.3.7.6525
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	ANMS settings modify succeeded

cckmTrap_account Objects**cckm_user_added**

OID	1.3.6.1.4.1.21317.1.2.6.3.8.6601
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	User add succeeded

cckm_user_removed

OID	1.3.6.1.4.1.21317.1.2.6.3.8.6602
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	User remove succeeded

cckm_user_modified

OID	1.3.6.1.4.1.21317.1.2.6.3.8.6603
Status	current
Objects	trap_description, trap_deviceID, trap_deviceName, trap_account, trap_severity
Description	User modify succeeded

cckmTrap_server Objects

cckm_serverdisconnected

OID	1.3.6.1.4.1.21317.1.2.6.3.9.6805
Status	current
Objects	trap_description, trap_severity
Description	Server disconnected

cckm_redundancyModified

OID	1.3.6.1.4.1.21317.1.2.6.3.9.6813
Status	current
Objects	trap_description, trap_severity
Description	Redundancy settings modified

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