MIBs for switches

(Note: In the document, if there is an index after the Node name, it needs to be added to the OID and used together during operation;

.1 of ifIndex .1 , the actual operation OID is .1.3.6.1.2.1.2.2.1.1.1)

Table of contents

MIBs for switches 1

1 Public Node Support

1.1 System Message

(SNMPv2-MIB.iso.org.dod.internet.mgmt.mib-2.system)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
sysDescr	.1.3.6.1.2.1.1.1.0	system descriptor	OCTET STRING	read-only Implement consistency with mib file definition.
sysObjectID	.1.3.6.1.2.1.1.2.0	Vendor OID	OBJECT IDENTIFIER	read-only Implement consistency with mib file definition.
sysUpTime	.1.3.6.1.2.1.1.3.0	system startup time	TimeTicks	read-only Implement consistency with mib file definition.
sysContact	.1.3.6.1.2.1.1.4.0	technical contact	OCTET STRING	read-write Implement consistency with mib file definition.
sysName	.1.3.6.1.2.1.1.5.0	system name	OCTET STRING	read-write Implement consistency with mib file definition.
sysLocation	.1.3.6.1.2.1.1.6.0	System location information	OCTET STRING	read-write Implement consistency with mib file definition.

(ENTITY-MIB.iso.org.dod.internet.mgmt.mib-2.entityMIB.entityMIBObjects.entityPhysical)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
entPhysicalIndex.1	.1.3.6.1.2.1.47.1.1.1.1.1.1	hardware entity index	Integer32	not-accessible Implement consistency with mib file definition.

entPhysicalDescr.1	.1.3.6.1.2.1.47.1.1.1.1.2.1	hardware entity descriptor	OCTET STRING	read-only Implement consistency with mib file definition.
entPhysicalVendorType.1	.1.3.6.1.2.1.47.1.1.1.1.3.1	Vendor OID	OBJECT IDENTIFIER	read-only Implement consistency with mib file definition.
entPhysicalContainedIn.1	.1.3.6.1.2.1.47.1.1.1.1.4.1	belongs to which entity	Integer32	read-only Implement consistency with mib file definition.
entPhysicalClass.1	.1.3.6.1.2.1.47.1.1.1.1.5.1	hardware type	INTEGER	read-only Implement consistency with mib file definition.
entPhysicalParentRelPos.1	.1.3.6.1.2.1.47.1.1.1.1.6.1	previous entity number	Integer32	read-only Implement consistency with mib file definition.
entPhysicalName.1	.1.3.6.1.2.1.47.1.1.1.1.7.1	entity name	OCTET STRING	read-only Implement consistency with mib file definition.
entPhysicalHardwareRev.1	.1.3.6.1.2.1.47.1.1.1.1.8.1	hardware version number	OCTET STRING	read-only Implement consistency with mib file definition.
entPhysicalFirmwareRev.1	.1.3.6.1.2.1.47.1.1.1.1.9.1	Firmware version number	OCTET STRING	read-only Implement consistency with mib file definition.
entPhysicalSoftwareRev.1	.1.3.6.1.2.1.47.1.1.1.1.10.1	software version number	OCTET STRING	read-only Implement consistency with mib file definition.
entPhysicalSerialNum.1	.1.3.6.1.2.1.47.1.1.1.1.11.1	serial number	OCTET STRING	read-write Only read operations are supported.
entPhysicalMfgName.1	.1.3.6.1.2.1.47.1.1.1.1.12.1	Trade Names	OCTET STRING	read-only Implement consistency with

				mib file definition.
entPhysicalModelName.1	.1.3.6.1.2.1.47.1.1.1.1.13.1	Device model	OCTET STRING	read-only Implement consistency with mib file definition.
entPhysicalAlias.1	.1.3.6.1.2.1.47.1.1.1.1.14.1	entity alias	OCTET STRING	read-write Only read operations are supported
entPhysicalAssetID.1	.1.3.6.1.2.1.47.1.1.1.1.15.1	Entity ID	OCTET STRING	read-write Only read operations are supported.
entPhysicalIsFRU.1	.1.3.6.1.2.1.47.1.1.1.1.16.1	Whether to support FRU	INTEGER	read-only Implement consistency with mib file definition.
entPhysicalMfgDate.1	.1.3.6.1.2.1.47.1.1.1.1.17.1	Production Date	OCTET STRING	read-only Implement consistency with mib file definition.
entPhysicalUris.1	.1.3.6.1.2.1.47.1.1.1.1.18.1	resource descriptor	OCTET STRING	read-write Only read operations are supported.

1.2 Port Information

(IF-MIB.iso.org.dod.internet.mgmt.mib -2.interfaces.ifTable.ifEntry)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
ifNumber	.1.3.6.1.2.1.2.1.0	Number of ports	Integer32	read-only Implement consistency with mib file definition.
ifIndex.1	.1.3.6.1.2.1.2.2.1.1	Index value of interface 1	Integer32	read-only Implement consistency with mib file definition.
ifDescr.1	.1.3.6.1.2.1.2.2.1.2	Descriptor for	OCTET	read-only

		interface 1	STRING	Implement consistency with mib file definition.
ifType.1	.1.3.6.1.2.1.2.2.1.3	Type of interface 1	INTEGER	read-only Implement consistency with mib file definition.
ifMtu.1	.1.3.6.1.2.1.2.2.1.4	MTU of interface 1	Integer32	read-only Implement consistency with mib file definition.
ifSpeed.1	.1.3.6.1.2.1.2.2.1.5	Interface 1 rate	Gauge32	read-only Implement consistency with mib file definition.
ifPhysAddress.1	.1.3.6.1.2.1.2.2.1.6	MAC address of interface 1	OCTET STRING	read-only Implement consistency with mib file definition.
ifAdminStatus.1	.1.3.6.1.2.1.2.2.1.7	Management state of interface 1	INTEGER	read-write Implement consistency with mib file definition.
ifOperStatus.1	.1.3.6.1.2.1.2.2.1.8	Actual state of interface 1	INTEGER	read-only Implement consistency with mib file definition.
ifLastChange.1	.1.3.6.1.2.1.2.2.1.9	Time of the last status change of interface 1	TimeTicks	read-only Implement consistency with mib file definition.
ifInOctets.1	.1.3.6.1.2.1.2.2.1.10	Number of bytes received by interface 1	Counter32	read-only Implement consistency with mib file definition.
ifInUcastPkts.1	.1.3.6.1.2.1.2.2.1.11	Number of unicast packets received by interface 1	Counter32	read-only Implement consistency with mib file definition.
ifInNUcastPkts.1	.1.3.6.1.2.1.2.2.1.12	Number of non-unicast packets	Counter32	read-only Implement consistency with

		received by interface 1		mib file definition.
ifInDiscards.1	.1.3.6.1.2.1.2.2.1.13	Number of discarded packets received by interface 1	Counter32	read-only Implement consistency with mib file definition.
ifInErrors.1	.1.3.6.1.2.1.2.2.1.14	Number of error packets received by interface 1	Counter32	read-only Implement consistency with mib file definition.
ifInUnknownProtos.1	.1.3.6.1.2.1.2.2.1.15	Number of unknown packets received by interface 1	Counter32	read-only Implement consistency with mib file definition.
ifOutOctets.1	.1.3.6.1.2.1.2.2.1.16	Number of bytes sent by interface 1	Counter32	read-only Implement consistency with mib file definition.
ifOutUcastPkts.1	.1.3.6.1.2.1.2.2.1.17	Number of unicast packets sent by interface 1	Counter32	read-only Implement consistency with mib file definition.
ifOutNUcastPkts.1	.1.3.6.1.2.1.2.2.1.18	Number of non-unicast packets sent by interface 1	Counter32	read-only Implement consistency with mib file definition.
ifOutDiscards.1	.1.3.6.1.2.1.2.2.1.19	Number of lost packets sent by interface 1	Counter32	read-only Implement consistency with mib file definition.
ifOutErrors.1	.1.3.6.1.2.1.2.2.1.20	error packets sent by interface 1	Counter32	read-only Implement consistency with mib file definition.

(IF-MIB.iso.org.dod.internet.mgmt.mib -2.ifMIB.ifMIBObjects.ifXTable.ifXEntry)

Support 64-bit statistics to avoid data crossing or flipping; Note: SNMP V2 C version only

supports 64-bit data .

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
ifName.1	.1.3.6.1.2.1.31.1.1.1.1.1	interface name	OCTET STRING	read-only Implement consistency with mib file definition.
ifInMulticastPkts.1	.1.3.6.1.2.1.31.1.1.1.2.1	Number of received multicast packets	Counter32	read-only Implement consistency with mib file definition.
ifInBroadcastPkts.1	.1.3.6.1.2.1.31.1.1.1.3.1	The number of received broadcast packets	Counter32	read-only Implement consistency with mib file definition.
ifOutMulticastPkts.1	.1.3.6.1.2.1.31.1.1.1.4.1	Number of multicast packets sent	Counter32	read-only Implement consistency with mib file definition.
ifOutBroadcastPkts.1	.1.3.6.1.2.1.31.1.1.1.5.1	Number of broadcast packets sent	Counter32	read-only Implement consistency with mib file definition.
ifHCInOctets.1	.1.3.6.1.2.1.31.1.1.1.6.1	received bytes	Counter64	read-only Implement consistency with mib file definition.
ifHCInUcastPkts.1	.1.3.6.1.2.1.31.1.1.1.7.1	received unicast packets	Counter64	read-only Implement consistency with mib file definition.
ifHCInMulticastPkts.1	.1.3.6.1.2.1.31.1.1.1.8.1	Number of received multicast packets	Counter64	read-only Implement consistency with mib file definition.
ifHCInBroadcastPkts.1	.1.3.6.1.2.1.31.1.1.1.9.1	The number of received broadcast	Counter64	read-only Implement consistency with mib file definition.

		packets		
ifHCOutOctets.1	.1.3.6.1.2.1.31.1.1.1.10.1	send bytes	Counter64	read-only Implement consistency with mib file definition.
ifHCOutUcastPkts.1	.1.3.6.1.2.1.31.1.1.1.11.1	Number of unicast packets sent	Counter64	read-only Implement consistency with mib file definition.
ifHCOutMulticastPkts.1	.1.3.6.1.2.1.31.1.1.1.12.1	Number of multicast packets sent	Counter64	read-only Implement consistency with mib file definition.
ifHCOutBroadcastPkts.1	.1.3.6.1.2.1.31.1.1.1.13.1	Number of broadcast packets sent	Counter64	read-only Implement consistency with mib file definition.
ifLinkUpDownTrapEnable.1	.1.3.6.1.2.1.31.1.1.1.14.1	Link notification enable	INTEGER	read-write Implement consistency with mib file definition.
ifHighSpeed.1	.1.3.6.1.2.1.31.1.1.1.15.1	port speed	Gauge32	read-only Implement consistency with mib file definition.
ifPromiscuousMode.1	.1.3.6.1.2.1.31.1.1.1.16.1	promiscuous mode	INTEGER	read-write Only read operations are supported.
ifConnectorPresent.1	.1.3.6.1.2.1.31.1.1.1.17.1	Is it connected	INTEGER	read-only Implement consistency with mib file definition.
ifAlias.1	.1.3.6.1.2.1.31.1.1.1.18.1	alias	OCTET STRING	read-write Implement consistency with mib file definition.

1.3 VLAN Information

(Q-BRIDGE - MIB.iso.org.dod.internet.mgmt.mib - 2.dot1dBridge.qBridgeMIB.qBridgeMIBObjects.dot1qVlan.dot1qVlanStaticTable.dot1qVlanSt

aticEntry)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
dot1qVlanStaticName.1	.1.3.6.1.2.1.17.7.1.4.3.1.1	Name of VLAN 1	OCTET STRING	read-create Read and write operations are supported.
dot1qVlanStaticEgressPorts.1	.1.3.6.1.2.1.17.7.1.4.3.1.2	Quasi-outbound port of VLAN 1	OCTET STRING	read-create Implement consistency with mib file definition.
dot1qVlanForbiddenEgressPorts.1	.1.3.6.1.2.1.17.7.1.4.3.1.3	Prohibited outgoing ports of VLAN 1	OCTET STRING	read-create Implement consistency with mib file definition.
dot1qVlanStaticUntaggedPorts.1	.1.3.6.1.2.1.17.7.1.4.3.1.4	Untagged port of VLAN 1	OCTET STRING	read-create Implement consistency with mib file definition.
dot1qVlanStaticRowStatus.1	.1.3.6.1.2.1.17.7.1.4.3.1.5	Node status for VLAN 1	INTEGER	read-create Implement consistency with mib file definition.

1.4 MAC Address Table

(Name dot 1qTpFdbEntry!@#.iso.org.dod.internet.mgmt.mib-2.dot1dBridge.qBridgeMIB.qBridgeMIBObjects.dot1qTp.dot1qTpFdbTable.dot1qTpFdbEntry)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
dot1qTpFdbAddress	.1.3.6.1.2.1.17.7.1.2.2.1.1	Table index, the content is VLAN ID+MAC address	OCTET STRING	not-accessible Implement consistency with mib file definition.
dot1qTpFdbPort	.1.3.6.1.2.1.17.7.1.2.2.1.2	Index of the interface where	INTEGER	read-only Implement consistency

		the MAC address resides		with mib file definition.
dot1qTpFdbStatus	.1.3.6.1.2.1.17.7.1.2.2.1.3	MAC address type	INTEGER	read-only Implement consistency with mib file definition.

1.5 LLDP Configuration Information

(LLDP-V2-MIB-200906080000Z.iso.org.ieee.standards-association-numbers-series-standards.lan-man-stds.ieee802dot1.ieee802dot1-1.lldpV2MIB.lldpV2Objects.lldpV2Configuration.lldpV2PortConfigTable.lldpConfigV2Port)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
lldpV2PortConfigIfIndex	1.3.111.2.802.1.1.13.1.1.8.1.1	port index	Integer32	not-accessible Implement consistency with mib file definition.
lldpV2PortConfigDestAddressIndex	1.3.111.2.802.1.1.13.1.1.8.1.2	Port destination mac index value	Unsigned32	not-accessible Implement consistency with mib file definition.
lldpV2PortConfigAdminStatus	1.3.111.2.802.1.1.13.1.1.8.1.3	management status	INTEGER	read-write Implement consistency with mib file definition.
lldpV2PortConfigNotificationEnable	1.3.111.2.802.1.1.13.1.1.8.1.4	notification enable	INTEGER	read-write Not currently supported.
lldpV2PortConfigTLVsTxEnable	1.3.111.2.802.1.1.13.1.1.8.1.5	TLV sending type	BITS	read-write Only supports is set to 0x00.

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications

lldpV2AddressTableIndex	.1.3.111.2.802.1.1.13.1.1.9.1.1	table index	Unsigned32	not-accessible Implement consistency with mib file definition.
lldpV2DestMacAddress	.1.3.111.2.802.1.1.13.1.1.9.1.2	MAC address	OCTET STRING	read-only Implement consistency with mib file definition.

1.6 LLDP Neighbor Information

(LLDP-V2-MIB-200906080000Z.iso.org.ieee.standards-association-numbers-series-standards.lan-man-stds.ieee802dot1.ieee802dot1-1.lldpV2MIB.lldpV2Objects.lldpV2LocalSystemData.lldpV2EntryPortTable.lldpV2Locorg .ieee .standards-association-numbers-series-standards.lan-man-stds.ieee802dot1.ieee802dot1-1.lldpV2MIB.lldpV2Objects.lldpV2RemoteSystemsData.lldpV2RemTable.lldpV2RemEntry)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
lldpV2LocPortIfIndex	1.3.111.2.802.1.1.13.1.3.7.1.1	port index	Integer32	not-accessible Implement consistency with mib file definition.
lldpV2LocPortIdSubtype	1.3.111.2.802.1.1.13.1.3.7.1.2	port id type	INTEGER	read-only Implement consistency with mib file definition.
lldpV2LocPortId	1.3.111.2.802.1.1.13.1.3.7.1.3	port id	OCTET STRING	read-only Implement consistency with mib file definition.
lldpV2LocPortDesc	1.3.111.2.802.1.1.13.1.3.7.1.4	port description	OCTET STRING	read-only Implement consistency with mib file definition.

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications

lldpV2RemTimeMark	1.3.111.2.802.1.1.13.1.4.1.1.1	local port index	TimeTicks	not-accessible Implement consistency with mib file definition.
lldpV2RemLocalIfIndex	1.3.111.2.802.1.1.13.1.4.1.1.2	local port index	Integer32	not-accessible Implement consistency with mib file definition.
lldpV2RemLocalDestMACAddress	1.3.111.2.802.1.1.13.1.4.1.1.3	Local destination MAC type	Unsigned32	not-accessible Implement consistency with mib file definition.
lldpV2RemIndex	1.3.111.2.802.1.1.13.1.4.1.1.4 _	neighbor index	Unsigned32	not-accessible Implement consistency with mib file definition.
lldpV2RemChassisIdSubtype	1.3.111.2.802.1.1.13.1.4.1.1.5	Neighbor Chassis Type	INTEGER	read-only Implement consistency with mib file definition.
lldpV2RemChassisId	1.3.111.2.802.1.1.13.1.4.1.1.6	Neighbor Chassis Information	OCTET STRING	read-only Implement consistency with mib file definition.
lldpV2RemPortIdSubtype	1.3.111.2.802.1.1.13.1.4.1.1.7	Neighbor port ID type	INTEGER	read-only Implement consistency with mib file definition.
lldpV2RemPortId	1.3.111.2.802.1.1.13.1.4.1.1.8	neighbor port ID	OCTET STRING	read-only Implement consistency with mib file definition.
lldpV2RemPortDesc	1.3.111.2.802.1.1.13.1.4.1.1.9	Neighbor port description	OCTET STRING	read-only Implement consistency with mib file definition.
lldpV2RemSysName	1.3.111.2.802.1.1.13.1.4.1.1.10	neighbor system name	OCTET STRING	read-only Implement consistency with mib file definition.
lldpV2RemSysDesc	1.3.111.2.802.1.1.13.1.4.1.1.11	Neighborhood System	OCTET STRING	read-only Implement consistency

		Description		with mib file definition.
lldpV2RemSysCapSupported	1.3.111.2.802.1.1.13.1.4.1.1.12	Neighboring System Capability Range	BITS	read-only Implement consistency with mib file definition.
lldpV2RemSysCapEnabled	1.3.111.2.802.1.1.13.1.4.1.1.13	Enabling neighbor system capabilities	BITS	read-only Implement consistency with mib file definition.
lldpV2RemRemoteChanges	1.3.111.2.802.1.1.13.1.4.1.1.14	Neighborhood Change ID	INTEGER	read-only Implement consistency with mib file definition.
lldpV2RemTooManyNeighbors	1.3.111.2.802.1.1.13.1.4.1.1.15	Too many neighbors flag	INTEGER	read-only Implement consistency with mib file definition.

1.7 STP Information

(RSTP-MIB iso.org.dod.internet.mgmt.mib-2.dot1dBridge.dot1dStp)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
dot1dStpProtocolSpecification.0	1.3.6.1.2.1.17.2.1		INTEGER	read-only Read result is fixed ieee8021d(3).
dot1dStpPriority.0	1.3.6.1.2.1.17.2.2		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpTimeSinceTopologyChange.0	1.3.6.1.2.1.17.2.3		TimeTicks	read-only Implement consistency with mib file definition.
dot1dStpTopChanges.0	1.3.6.1.2.1.17.2.4		Counter	read-only Implement consistency with mib file definition.

dot1dStpDesignatedRoot.0	1.3.6.1.2.1.17.2.5		OCTET STRING	read-only Implement consistency with mib file definition.
dot1dStpRootPort.0	1.3.6.1.2.1.17.2.6		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpRootPort.0	1.3.6.1.2.1.17.2.7		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpMaxAge.0	1.3.6.1.2.1.17.2.8		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpHelloTime.0	1.3.6.1.2.1.17.2.9		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpHoldTime.0	1.3.6.1.2.1.17.2.10		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpForwardDelay.0	1.3.6.1.2.1.17.2.11		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpBridgeMaxAge.0	1.3.6.1.2.1.17.2.12		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpBridgeHelloTime.0	1.3.6.1.2.1.17.2.13		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpBridgeForwardDelay.0	1.3.6.1.2.1.17.2.14		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpPort.1	1.3.6.1.2.1.17.2.15.1.1		INTEGER	read-only Implement consistency

				with mib file definition.
dot1dStpPortPriority.1	1.3.6.1.2.1.17.2.15.1.2		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpPortState.1	1.3.6.1.2.1.17.2.15.1.3		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpPortEnable.1	1.3.6.1.2.1.17.2.15.1.4		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpPortPathCost.1	1.3.6.1.2.1.17.2.15.1.5		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpPortDesignatedRoot.1	1.3.6.1.2.1.17.2.15.1.6		OCTET STRING	read-only Implement consistency with mib file definition.
dot1dStpPortDesignatedCost.1	1.3.6.1.2.1.17.2.15.1.7		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpPortDesignatedBridge.1	1.3.6.1.2.1.17.2.15.1.8		OCTET STRING	read-only Implement consistency with mib file definition.
dot1dStpPortDesignatedPort.1	1.3.6.1.2.1.17.2.15.1.9		OCTET STRING	read-only Implement consistency with mib file definition.
dot1dStpPortForwardTransitions.1	1.3.6.1.2.1.17.2.15.1.10		Counter	read-only Implement consistency with mib file definition.
dot1dStpPortPathCost32.1	1.3.6.1.2.1.17.2.15.1.11		INTEGER	read-only Implement consistency with mib file definition.

dot1dStpVersion .0	1.3.6.1.2.1.17.2.16		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpTxHold Count.0	1.3.6.1.2.1.17.2.17		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpPortPro tocolMigration.1	1.3.6.1.2.1.17.2.19.1.1		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpPortAd minEdgePort.1	1.3.6.1.2.1.17.2.19.1.2		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpPortOp erEdgePort.1	1.3.6.1.2.1.17.2.19.1.3		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpPortAd minPointToPoint .1	1.3.6.1.2.1.17.2.19.1.4		INTEGER	read-write Implement consistency with mib file definition.
dot1dStpPortOp erPointToPoint.1	1.3.6.1.2.1.17.2.19.1.5		INTEGER	read-only Implement consistency with mib file definition.
dot1dStpPortAd minPathCost.1	1.3.6.1.2.1.17.2.19.1.6		INTEGER	read-write Implement consistency with mib file definition.

1.8 PoE Information

(POWER-ETHERNET-MIB.iso.org.dod.internet.mgmt.mib-2.powerEthernetMIB.pethObjects)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
pethPsePortGro upIndex.1.1	.1.3.6.1.2.1.105.1.1.1.1.1.1	group index	Integer32	not-accessible Implement consistency

				with mib file definition.
pethPsePortIndex.1.1	.1.3.6.1.2.1.105.1.1.1.2.1.1	port index	Integer32	not-accessible Implement consistency with mib file definition.
pethPsePortAdminEnable.1.1	.1.3.6.1.2.1.105.1.1.1.3.1.1	Management Enabled Status	INTEGER	read-write Implement consistency with mib file definition.
pethPsePortPowerPairsControlAbility.1.1	.1.3.6.1.2.1.105.1.1.1.4.1.1	Power supply capacity	INTEGER	read-only Implement consistency with mib file definition.
pethPsePortPowerPairs.1.1	.1.3.6.1.2.1.105.1.1.1.5.1.1	Power supply	INTEGER	read-write Only read operations are supported.
pethPsePortDetectionStatus.1.1	.1.3.6.1.2.1.105.1.1.1.6.1.1	Port Power Status	INTEGER	read-only Implement consistency with mib file definition.
pethPsePortPowerPriority.1.1	.1.3.6.1.2.1.105.1.1.1.7.1.1	Power priority	INTEGER	read-only Implement consistency with mib file definition.
pethPsePortMPSAbsentCounter.1.1	.1.3.6.1.2.1.105.1.1.1.8.1.1	off statistics	Counter32	read-only Implement consistency with mib file definition.
pethPsePortType.1.1	.1.3.6.1.2.1.105.1.1.1.9.1.1	port descriptor	OCTET STRING	read-write Implement consistency with mib file definition.
pethPsePortPowerClassifications.1.1	.1.3.6.1.2.1.105.1.1.1.10.1.1	Power supply type	INTEGER	read-only Implement consistency with mib file definition.
pethPsePortInvalidSignatureCounter.1.1	.1.3.6.1.2.1.105.1.1.1.11.1.1	Illegal Signal Statistics	Counter32	read-only Implement consistency with mib file definition.

pethPsePortPowerDeniedCounter.1.1	.1.3.6.1.2.1.105.1.1.1.12.1.1	Denial of Power Statistics	Counter32	read-only Implement consistency with mib file definition.
pethPsePortOverLoadCounter.1.1	.1.3.6.1.2.1.105.1.1.1.13.1.1	Overload Power Down Statistics	Counter32	read-only Implement consistency with mib file definition.
pethPsePortShortCounter.1.1	.1.3.6.1.2.1.105.1.1.1.14.1.1	Port short circuit statistics	Counter32	read-only Implement consistency with mib file definition.

1.9 802.1X Information

(IEEE8021-PAE- MIB.iso.std.iso8802.ieee802dot1.ieee802dot1mibs.ieee8021paeMIB)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
dot1xPaeSystemAuthControl.0	.1.0.8802.1.1.1.1.1.1.0	global authentication switch	INTEGER	read-write Implement consistency with mib file definition.

(dot1 xPaePortEntry!@#.iso.std.iso8802.ieee802dot1.ieee802dot1mibs.ieee8021paeMIB.paeMIB Objects.dot1xPaeSystem.dot1xPaePortTable.dot1xPaePortEntry)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
dot1xPaePortNumber.5	.1.0.8802.1.1.1.1.1.2.1.1.5	port number	Integer32	not-accessible Implement consistency with mib file definition.
dot1xPaePortProtocolVersion.5	.1.0.8802.1.1.1.1.1.2.1.2.5	port protocol version	Unsigned32	read-only Implement consistency with mib file definition.
dot1xPaePortCa	.1.0.8802.1.1.1.1.1.2.1.3.	port capability	BITS	read-only

pabilities.5	5			Implement consistency with mib file definition.
dot1xPaePortInitialize.5	.1.0.8802.1.1.1.1.1.2.1.4.5	port initialization flag	INTEGER	read-write Implement consistency with mib file definition.
dot1xPaePortReauthenticate.5	.1.0.8802.1.1.1.1.1.2.1.5.5	Port re-authentication identifier	INTEGER	read-write Implement consistency with mib file definition.

(dot1 xAuthConfigEntry!@#.iso.std.iso8802.ieee802dot1.ieee802dot1mibs.ieee8021paeMIB.paeMIBObjects.dot1xPaeAuthenticator.dot1xAuthConfigTable.dot1xAuthConfigEntry)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
dot1xAuthPaeState.5	.1.0.8802.1.1.1.1.2.1.1.1.5	PAE certification status	INTEGER	read-only Implement consistency with mib file definition.
dot1xAuthBackendAuthState.5	.1.0.8802.1.1.1.1.2.1.1.2.5	BE certification status	INTEGER	read-only Implement consistency with mib file definition.
dot1xAuthAdminControlledDirections.5	.1.0.8802.1.1.1.1.2.1.1.3.5	Port Controlled Management Direction	INTEGER	read-write Implement consistency with mib file definition.
dot1xAuthOperControlledDirections.5	.1.0.8802.1.1.1.1.2.1.1.4.5	Port controlled current direction	INTEGER	read-only Implement consistency with mib file definition.
dot1xAuthAuthControlledPortStatus.5	.1.0.8802.1.1.1.1.2.1.1.5.5	Port controlled state	INTEGER	read-only Implement consistency with mib file definition.
dot1xAuthAuthControlledPortCon	.1.0.8802.1.1.1.1.2.1.1.6.5	port controlled mode	INTEGER	read-write Implement consistency

trol.5				with mib file definition.
dot1xAuthQuiet Period.5	.1.0.8802.1.1.1.1.2.1.1.7. 5	Port authentication silent period	Unsigned32	read-write Only read operations are supported.
dot1xAuthTxPeri od.5	.1.0.8802.1.1.1.1.2.1.1.8. 5	sending cycle	Unsigned32	read-write Implement consistency with mib file definition.
dot1xAuthSuppT imeout.5	.1.0.8802.1.1.1.1.2.1.1.9. 5	client timeout	Unsigned32	read-write Implement consistency with mib file definition.
dot1xAuthServer Timeout.5	.1.0.8802.1.1.1.1.2.1.1.10 .5	server timeout	Unsigned32	read-write Implement consistency with mib file definition.
dot1xAuthReAut hPeriod.5	.1.0.8802.1.1.1.1.2.1.1.12 .5	re-authentication cycle	Unsigned32	read-write Implement consistency with mib file definition.
dot1xAuthReAut hEnabled.5	.1.0.8802.1.1.1.1.2.1.1.13 .5	Enable re-authentication	INTEGER	read-write Implement consistency with mib file definition.
dot1xAuthKeyTx Enabled.5	.1.0.8802.1.1.1.1.2.1.1.14 .5	key send enable	INTEGER	read-write Implement consistency with mib file definition.

(dot1 xAuthStatsEntry!@#.iso.std.iso8802.ieee802dot1.ieee802dot1mibs.ieee8021paeMIB.paeMI BObjects.dot1xPaeAuthenticator.dot1xAuthStatsTable.dot1xAuthStatsEntry)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
dot1xAuthEapol FramesRx.5	.1.0.8802.1.1.1.1.2.2.1.1. 5	Eapol received packets	Counter32	read-only Implement consistency with mib file definition.

dot1xAuthEapol FramesTx.5	.1.0.8802.1.1.1.1.2.2.1.2.5	The number of packets sent by Eapol	Counter32	read-only Implement consistency with mib file definition.
dot1xAuthEapol StartFramesRx.5	.1.0.8802.1.1.1.1.2.2.1.3.5	The number of packets received at the beginning of Eapol	Counter32	read-only Implement consistency with mib file definition.
dot1xAuthEapol LogoffFramesRx.5	.1.0.8802.1.1.1.1.2.2.1.4.5	Eapol offline packets received	Counter32	read-only Implement consistency with mib file definition.
dot1xAuthEapol RespIdFramesRx.5	.1.0.8802.1.1.1.1.2.2.1.5.5	Eapol response identification packets	Counter32	read-only Implement consistency with mib file definition.
dot1xAuthEapol RespFramesRx.5	.1.0.8802.1.1.1.1.2.2.1.6.5	Eapol response packets received	Counter32	read-only Implement consistency with mib file definition.
dot1xAuthEapol ReqIdFramesTx.5	.1.0.8802.1.1.1.1.2.2.1.7.5	Eapol request identification packets sent	Counter32	read-only Implement consistency with mib file definition.
dot1xAuthEapol ReqFramesTx.5	.1.0.8802.1.1.1.1.2.2.1.8.5	Eapol request packet number	Counter32	read-only Implement consistency with mib file definition.
dot1xAuthInvalid EapolFramesRx.5	.1.0.8802.1.1.1.1.2.2.1.9.5	illegal Eapol packets received	Counter32	read-only Implement consistency with mib file definition.
dot1xAuthEapLe ngthErrorFrame sRx.5	.1.0.8802.1.1.1.1.2.2.1.10.5	Eapol length error packets	Counter32	read-only Implement consistency with mib file definition.
dot1xAuthLastE apolFrameVersi on.5	.1.0.8802.1.1.1.1.2.2.1.11.5	The latest Eapol message version	Unsigned32	read-only Implement consistency with mib file definition.
dot1xAuthLastE	.1.0.8802.1.1.1.1.2.2.1.12	latest Eapol	OCTET	read-only

apolFrameSource.5	.5	message	STRING	Implement consistency with mib file definition.

1.10 IP Information

(IP-MIB.iso.org.dod.internet.mgmt.mib - 2.ip.ipAddressTable.ipAddressEntrys)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
ipAddressAddrType.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.1.1.192.168.100.96	IP address type	INTEGER	not-accessible Implement consistency with mib file definition.
ipAddressAddr.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.2.1.192.168.100.96	IP address	OCTET STRING	not-accessible Implement consistency with mib file definition.
ipAddressIfIndex.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.3.1.192.168.100.96	Interface internal index number	INTEGER	read-create Only read operations are supported.
ipAddressType.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.4.1.192.168.100.96	address type	INTEGER	read-create Only read operations are supported.
ipAddressPrefix.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.5.1.192.168.100.96	address mask, not supported here	OID	Not currently supported.
ipAddressOrigin.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.6.1.192.168.100.96	source of address	INTEGER	read-only Implement consistency with mib file definition.
ipAddressStatus.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.7.1.192.168.100.96	address status	INTEGER	read-create Only read operations are supported.
ipAddressCreated.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.8.1.192.168.100.96	creation time	TimeTicks	read-only Implement consistency with mib file definition.

ipAddressLastChanged.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.9.1.192.168.100.96	last change time	TimeTicks	read-only Implement consistency with mib file definition.
ipAddressRowStatus.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.10.1.192.168.100.96	SNMP status	INTEGER	read-create Read and write operations are supported, and only support set to destroy (6).
ipAddressStorageType.1.192.168.100.96	.1.3.6.1.2.1.4.34.1.11.1.192.168.100.96	storage type	INTEGER	read-create Only read operations are supported.

Note: Since this MIB table does not support address mask configuration, the length of the IP address mask created through the MIB table is always 32. Care should be taken when using this MIB table to create IP addresses.

1.11 ARP Information

(IP-MIB.iso.org.dod.internet.mgmt.mib - 2.ip.ipNetToPhysicalTable.ipNetToPhysicalEntry)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
ipNetToPhysicalIfIndex.2100.1.192.168.100.106	.1.3.6.1.2.1.4.35.1.1.2100.1.192.168.100.106	Port index	Integer32	not-accessible Implement consistency with mib file definition.
ipNetToPhysicalAddressType.2100.1.192.168.100.106	.1.3.6.1.2.1.4.35.1.2.2100.1.192.168.100.106	IP address type	INTEGER	not-accessible Implement consistency with mib file definition.
ipNetToPhysicalAddress.2100.1.192.168.100.106	.1.3.6.1.2.1.4.35.1.3.2100.1.192.168.100.106	IP address	OCTET STRING	not-accessible Implement consistency with mib file definition.
ipNetToPhysicalPhysAddress.21	.1.3.6.1.2.1.4.35.1.4.2100.1.192.168.100.106	MAC address	OCTET STRING	read-create Only read operations are

00.1.192.168.100.106				supported.
ipNetToPhysicalLastUpdated.2100.1.192.168.100.106	.1.3.6.1.2.1.4.35.1.5.2100.1.192.168.100.106	last update timestamp	TimeTicks	read-only Implement consistency with mib file definition.
ipNetToPhysicalType.2100.1.192.168.100.106	.1.3.6.1.2.1.4.35.1.6.2100.1.192.168.100.106	ARP type	INTEGER	read-create Only read operations are supported.
ipNetToPhysicalState.2100.1.192.168.100.106	.1.3.6.1.2.1.4.35.1.7.2100.1.192.168.100.106	ARP status	INTEGER	read-only Implement consistency with mib file definition.
ipNetToPhysicalRowStatus.2100.1.192.168.100.106	.1.3.6.1.2.1.4.35.1.8.2100.1.192.168.100.106	SNMP status	INTEGER	read-create Only read operations are supported.

1.12 Route Information

(IP- FORWARD - MIB.iso.org.dod.internet.mgmt.mib - 2.ip.ipForward.ipCidrRouteTable.ipCidrRouteEntry)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
ipCidrRouteDest.2.0.2.0.255.255.255.0.0.1.1.1.4	.1.3.6.1.2.1.4.24.4.1.1.2.0.2.0.255.255.255.0.0.1.1.1.4	target address	IpAddress	read-only Implement consistency with mib file definition.
ipCidrRouteMask.2.0.2.0.255.255.255.0.0.1.1.1.4	.1.3.6.1.2.1.4.24.4.1.2.2.0.2.0.255.255.255.0.0.1.1.1.4	target mask	IpAddress	read-only Implement consistency with mib file definition.
ipCidrRouteNextHop.2.0.2.0.255.255.255.0.0.1.1.	.1.3.6.1.2.1.4.24.4.1.4.2.0.2.0.255.255.255.0.0.1.1.1.4	next hop address	IpAddress	read-only Implement consistency with mib file definition.

1.4				
ipCidrRouteIfIndex.2.0.2.0.255.255.255.0.0.1.1.1.4	.1.3.6.1.2.1.4.24.4.1.5.2.0.2.0.255.255.255.0.0.1.1.1.4	interface index	Integer32	read-create Only read operations are supported.
ipCidrRouteType.2.0.2.0.255.255.255.0.0.1.1.1.4	.1.3.6.1.2.1.4.24.4.1.6.2.0.2.0.255.255.255.0.0.1.1.1.4	routing type	INTEGER	read-create Only read operations are supported.
ipCidrRouteProto.2.0.2.0.255.255.255.0.0.1.1.1.4	.1.3.6.1.2.1.4.24.4.1.7.2.0.2.0.255.255.255.0.0.1.1.1.4	Routing Protocol	INTEGER	read-only Implement consistency with mib file definition.
ipCidrRouteAge.2.0.2.0.255.255.255.0.0.1.1.1.4	.1.3.6.1.2.1.4.24.4.1.8.2.0.2.0.255.255.255.0.0.1.1.1.4	Timestamp since last update	Integer32	read-only Implement consistency with mib file definition.
ipCidrRouteInfo.2.0.2.0.255.255.255.0.0.1.1.1.4	.1.3.6.1.2.1.4.24.4.1.9.2.0.2.0.255.255.255.0.0.1.1.1.4	Routing protocol OID, not supported here	OBJECT IDENTIFIER	Not currently supported.
ipCidrRouteMetric1.2.0.2.0.255.255.255.0.0.1.1.1.4	.1.3.6.1.2.1.4.24.4.1.11.2.0.2.0.255.255.255.0.0.1.1.1.4	Routing metric value	Integer32	read-create Only read operations are supported.
ipCidrRouteStatus.2.0.2.0.255.255.255.0.0.1.1.1.4	.1.3.6.1.2.1.4.24.4.1.16.2.0.2.0.255.255.255.0.0.1.1.1.4	SNMP status	INTEGER	read-create Implement consistency with mib file definition.

(IPV6-MIB .iso.org.dod.internet.mgmt.mib-2.ipv6MIB.ipv6MIBObjects.ipv6RouteTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
ipv6RouteDest	1.3.6.1.2.1.55.1.11.1.1	The IPv6 address for this route	OCTET STRING	not-accessible Implement consistency with mib file definition.

ipv6RoutePfxLength	1.3.6.1.2.1.55.1.11.1.2	Indicates the prefix length of the destination address	INTEGER	not-accessible Implement consistency with mib file definition.
ipv6RouteIndex	1.3.6.1.2.1.55.1.11.1.3	Route index	Unsigned32	not-accessible Implement consistency with mib file definition.
ipv6RouteIfIndex	1.3.6.1.2.1.55.1.11.1.4	The index of the local interface	Integer32	read-only Implement consistency with mib file definition.
ipv6RouteNextHop	1.3.6.1.2.1.55.1.11.1.5	Indicates the IPv6 address of the next hop	OCTET STRING	read-only Implement consistency with mib file definition.
ipv6RouteType	1.3.6.1.2.1.55.1.11.1.6	Route type	INTEGER	read-only Implement consistency with mib file definition.
ipv6RouteProtocol	1.3.6.1.2.1.55.1.11.1.7	Routing protocol	INTEGER	read-only Implement consistency with mib file definition.
ipv6RoutePolicy	1.3.6.1.2.1.55.1.11.1.8	Routing policy	Unsigned32	read-only Implement consistency with mib file definition.
ipv6RouteAge	1.3.6.1.2.1.55.1.11.1.9	The number of seconds since the last update	Unsigned32	read-only Implement consistency with mib file definition.
ipv6RouteNextHopRDI	1.3.6.1.2.1.55.1.11.1.10	ID of the routing domain of the next hop	Unsigned32	read-only Implement consistency with mib file definition.
ipv6RouteMetric	1.3.6.1.2.1.55.1.11.1.11	The metric value of the route	Unsigned32	read-only Implement consistency with mib file definition.
ipv6RouteWeight	1.3.6.1.2.1.55.1.11.1.12	The internal system weight of the route	Unsigned32	read-only Implement consistency

				with mib file definition.
ipv6RouteInfo	1.3.6.1.2.1.55.1.11.1.13	Reference to the MIB definition for a particular routing protocol	OID	read-only Implement consistency with mib file definition.
ipv6RouteValid	1.3.6.1.2.1.55.1.11.1.14	Whether the route entry information is valid	Unsigned32	read-write Only read operations are supported.

1.13 TCP Information

(TCP-MIB. iso.org.dod.internet.mgmt.mib-2.tcp.tcpConnTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
tcpConnState	1.3.6.1.2.1.6.13.1.1	TCP connection status	INTEGER	read-write Only read operations are supported.
tcpConnLocalAddress	1.3.6.1.2.1.6.13.1.2	Local IP address of the TCP connection	IpAddress	read-only Implement consistency with mib file definition.
tcpConnLocalPort	1.3.6.1.2.1.6.13.1.3	The local port on which the TCP connection listens	Integer32	read-only Implement consistency with mib file definition.
tcpConnRemAddress	1.3.6.1.2.1.6.13.1.4	Remote IP address of the TCP connection	IpAddress	read-only Implement consistency with mib file definition.
tcpConnRemPort	1.3.6.1.2.1.6.13.1.5	Remote port number of the TCP connection	Integer32	read-only Implement consistency with mib file definition.

(IPV6-TCP-MIB. iso.org.dod.internet.mgmt.mib-2.tcp.ipv6TcpConnTable)

Node name	OIDs	Node description	Value type	Maximum access rights

				and implementation specifications
ipv6TcpConnLocalAddress	1.3.6.1.2.1.6.16.1.1	Local IPv6 address of the TCP connection	OCTET STRING	not-accessible Implement consistency with mib file definition.
ipv6TcpConnLocalPort	1.3.6.1.2.1.6.16.1.2	Local port number of the TCP connection	INTEGER	not-accessible Implement consistency with mib file definition.
ipv6TcpConnRemAddress	1.3.6.1.2.1.6.16.1.3	IPv6 address of the peer end of the TCP connection	OCTET STRING	not-accessible Implement consistency with mib file definition.
ipv6TcpConnRemPort	1.3.6.1.2.1.6.16.1.4	Port number of the peer end of the TCP connection	INTEGER	not-accessible Implement consistency with mib file definition.
ipv6TcpConnIfIndex	1.3.6.1.2.1.6.16.1.5	Interface index of the TCP connection	Integer32	not-accessible Implement consistency with mib file definition.
ipv6TcpConnState	1.3.6.1.2.1.6.16.1.6	Status of the TCP connection	INTEGER	read-write Only read operations are supported.

(TCP-MIB. iso.org.dod.internet.mgmt.mib-2.tcp.tcpConnectionTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
tcpConnectionLocalAddressType	1.3.6.1.2.1.6.19.1.1	Local IP address type of the TCP connection	INTEGER	not-accessible Implement consistency with mib file definition.
tcpConnectionLocalAddress	1.3.6.1.2.1.6.19.1.2	Local IP address of the TCP connection	OCTET STRING	not-accessible Implement consistency with mib file definition.
tcpConnectionLoc	1.3.6.1.2.1.6.19.1.	The local port on	Unsigned32	not-accessible

alPort	3	which the TCP connection listens		Implement consistency with mib file definition.
tcpConnectionRemAddressType	1.3.6.1.2.1.6.19.1.4	Remote IP address type of the TCP connection	INTEGER	not-accessible Implement consistency with mib file definition.
tcpConnectionRemAddress	1.3.6.1.2.1.6.19.1.5	Remote IP address of the TCP connection	OCTET STRING	not-accessible Implement consistency with mib file definition.
tcpConnectionRemPort	1.3.6.1.2.1.6.19.1.6	Remote port number of the TCP connection	Unsigned32	not-accessible Implement consistency with mib file definition.
tcpConnectionState	1.3.6.1.2.1.6.19.1.7	TCP connection status	INTEGER	read-write Only read operations are supported.
tcpConnectionProcess	1.3.6.1.2.1.6.19.1.8	Process the TASK ID of a TCP connection	Unsigned32	read-only Implement consistency with mib file definition.

(TCP-MIB. iso.org.dod.internet.mgmt.mib-2.tcp.tcpListenerTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
tcpListenerLocalAddressType	1.3.6.1.2.1.6.20.1.1	Local IP address type of the TCP connection	INTEGER	not-accessible Implement consistency with mib file definition.
tcpListenerLocalAddress	1.3.6.1.2.1.6.20.1.2	Local IP address of the TCP connection	OCTET STRING	not-accessible Implement consistency with mib file definition.
tcpListenerLocalPort	1.3.6.1.2.1.6.20.1.3	The local port on which the TCP connection listens	Unsigned32	not-accessible Implement consistency with mib file definition.
tcpListenerProces	1.3.6.1.2.1.6.20.1.	System process	Unsigned32	read-only

s	4	number		Implement consistency with mib file definition.

1.14 UDP Information

(UDP-MIB. iso.org.dod.internet.mgmt.mib-2.udp.udpTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
udpLocalAddress	1.3.6.1.2.1.7.5.1.1	Local IP address of a UDP listening endpoint	IpAddress	read-only Implement consistency with mib file definition.
udpLocalPort	1.3.6.1.2.1.7.5.1.2	Local port number of the UDP listening endpoint	Integer32	read-only Implement consistency with mib file definition.

(IPV6-UDP-MIB. iso.org.dod.internet.mgmt.mib-2.udp.ipv6UdpTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
ipv6UdpLocalAddress	1.3.6.1.2.1.7.6.1.1	Local IPv6 address listened by UDP	OCTET STRING	not-accessible Implement consistency with mib file definition.
ipv6UdpLocalPort	1.3.6.1.2.1.7.6.1.2	Number of the local port monitored by UDP	INTEGER	not-accessible Implement consistency with mib file definition.
ipv6UdpIfIndex	1.3.6.1.2.1.7.6.1.3	Indicates the index of the UDP listening interface	Integer32	read-only Implement consistency with mib file definition.

(UDP-MIB. iso.org.dod.internet.mgmt.mib-2.udp.udpEndpointTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation

				specifications
udpEndpointLocalAddressType	1.3.6.1.2.1.7.7.1.1	Type of the local IP address monitored by UDP	INTEGER	not-accessible Implement consistency with mib file definition.
udpEndpointLocalAddress	1.3.6.1.2.1.7.7.1.2	The local IP address on which UDP listens	OCTET STRING	not-accessible Implement consistency with mib file definition.
udpEndpointLocalPort	1.3.6.1.2.1.7.7.1.3	Local port number of the UDP node	Unsigned32	not-accessible Implement consistency with mib file definition.
udpEndpointRemoteAddressType	1.3.6.1.2.1.7.7.1.4	Type of the remote IP address monitored by UDP	INTEGER	not-accessible Implement consistency with mib file definition.
udpEndpointRemoteAddress	1.3.6.1.2.1.7.7.1.5	The local address of UDP	OCTET STRING	not-accessible Implement consistency with mib file definition.
udpEndpointRemotePort	1.3.6.1.2.1.7.7.1.6	Remote port number of the UDP node	Unsigned32	not-accessible Implement consistency with mib file definition.
udpEndpointInstance	1.3.6.1.2.1.7.7.1.7	The instance number field of the UDP connection	Unsigned32	not-accessible Implement consistency with mib file definition.
udpEndpointProcess	1.3.6.1.2.1.7.7.1.8	System process number	Unsigned32	read-only Implement consistency with mib file definition.

2 Private Node Support

2.1 System Information

(NMS-SYS-MIB iso.org.dod.internet.private.enterprises.nms.nmsModule.sys.sysModule)

Node name	OID	Node description	Value type	Maximum access rights and implementation specifications
cpuUtilized.0	.1.3.6.1.4.1.22426.1.2.1.1.0	CPU utilization	Integer32	read-only Implement consistency with mib file definition.
memUtilized.0	.1.3.6.1.4.1.22426.1.2.1.2.0	Memory utilization	Integer32	read-only Implement consistency with mib file definition.
cpuIdle.0	.1.3.6.1.4.1.22426.1.2.1.3.0	CPU idle ratio	Integer32	read-only Implement consistency with mib file definition.
memTotalReal.0	.1.3.6.1.4.1.22426.1.2.1.4.0	Total memory, in KB	Integer32	read-only Implement consistency with mib file definition.
memAvailReal.0	.1.3.6.1.4.1.22426.1.2.1.5.0	Available memory, in KB	Integer32	read-only Implement consistency with mib file definition.

(NMS-SYS-MIB iso.org.dod.internet.private.enterprises.nms.nmsModule.sys.sysModule)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
temperatureIndex	1.3.6.1.4.1.22426.1.2.4.1.1	Temperature sensor index	Integer32	read-only Implement consistency with mib file definition.
temperatureValue	1.3.6.1.4.1.22426.1.2.4.1.2	Temperature sensor value	Integer32	read-only Implement consistency with mib file definition.

2.2 System Operation

(NMS-SYS-MIB.iso.org.dod.internet.private.enterprises.nms.nmsModule.sys.operations)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
configurationOper.0	.1.3.6.1.4.1.22426.1.2.2.1.0	Configuration operations	INTEGER { save (1), Empty (2), default (3)}	read-write Implement consistency with mib file definition.
powerOper.0	.1.3.6.1.4.1.22426.1.2.2.2.0	Power operation	INTEGER { On (1), Off (2), Reset (3)}	read-write Only supports set to reset (3).

2.3 IOCTL

(NMS-IOCTL-

MIB. .iso.org.dod.internet.private.enterprises.nms.nmsModule.ioctl.ioctlconfTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
confid.1	.1.3.6.1.4.1.22426.1.4.3.1.1.1	node index	Gauge32 (1..255)	not-accessible Supports read operations.
confdirection.1	.1.3.6.1.4.1.22426.1.4.3.1.2.1	direction	INTEGER {input(1), output(2)}	read-create Only read operations are supported.
conflevel.1	.1.3.6.1.4.1.22426.1.4.3.1.3.1	level	INTEGER {low(1), high(2)}	read-create Only read operations are supported.
confdescription.1	.1.3.6.1.4.1.22426.1.4.3.1.4.1	describe	OCTET STRING	read-create Read and write operations are

				supported.
confRowStatus.1	.1.3.6.1.4.1.22426.1.4.3.1.5.1	RowStatus value	INTEGER {active(1), notReady(3), createandWait(5), destroy(6)}	read-create Only read operations are supported.

(NMS-IOCTL-MIB.
iso.org.dod.internet.private.enterprises.nms.nmsModule.ioctl.relayWarnConfTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
relayWarnConfId.1	.1.3.6.1.4.1.22426.1.4.4.1.1.1	Node Index	Gauge32 (1..255)	not-accessible Supports read operations.
relayWarnConfForceMode.1	.1.3.6.1.4.1.22426.1.4.4.1.2.1	Forced relay output mode	INTEGER { normally-closed(1), normally-open(2), pulse(3), off(4)}	read-write Implement consistency with mib file definition.
relayWarnConfCurrentStatus.1	.1.3.6.1.4.1.22426.1.4.4.1.3.1	Current relay output status	INTEGER { normally-closed(1), normally-open(2), pulse(3)}	read-only Implement consistency with mib file definition.
relayWarnConfDescription.1	.1.3.6.1.4.1.22426.1.4.4.1.4.1	Description	OCTET STRING	read-write Implement consistency with mib file definition.

2.4 PoE

(NMS-POE-
MIB.iso.org.dod.internet.private.enterprises.nms.nmsModule.poe.pseStateTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
pseStateGroupIndex.1	.1.3.6.1.4.1.22426.1.5.3.1.1.1	group index	Integer32	read-only Implement consistency with mib file definition.
pseStatePowerConsume.1	.1.3.6.1.4.1.22426.1.5.3.1.2.1	Power consumption, the unit is 0.1 watts	Integer32	read-only Implement consistency with mib file definition.
pseStatePoweredPorts.1	.1.3.6.1.4.1.22426.1.5.3.1.3.1	The current number of power supply ports	Integer32	read-only Implement consistency with mib file definition.
pseStateReservedPower.1	.1.3.6.1.4.1.22426.1.5.3.1.4.1	The percentage of the system to retain power	Integer32	read-write Implement consistency with mib file definition.
pseStateTotalAvailablePower.1	.1.3.6.1.4.1.22426.1.5.3.1.5.1	Available power system, the unit of 0.1 watts	Integer32	read-only Implement consistency with mib file definition.

(NMS-POE-MIB.iso.org.dod.internet.private.enterprises.nms.nmsModule.poe.portStateTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
portStateGroupIndex.1.1	.1.3.6.1.4.1.22426.1.5.4.1.1.1.1	group index	Integer32	read-only Implement consistency with mib file definition.
portStateIndex.1.1	.1.3.6.1.4.1.22426.1.5.4.1.2.1.1	port index	Integer32	read-only Implement consistency with mib file definition.
portStateDesc.1.1	.1.3.6.1.4.1.22426.1.5.4.1.3.1.1	port description	OCTET STRING	read-only Implement consistency

				with mib file definition.
portStateIcut.1.1	.1.3.6.1.4.1.22426.1.5.4.1.4.1.1	The current current of the port, the unit is 0.1mA	Integer32	read-only Implement consistency with mib file definition.
portStatePower.1.1	.1.3.6.1.4.1.22426.1.5.4.1.5.1.1	Current power port, the unit of 0.1 watts	Integer32	read-only Implement consistency with mib file definition.
portStateVoltage.1.1	.1.3.6.1.4.1.22426.1.5.4.1.6.1.1	The current voltage of the port, the unit is 0.1 volts	Integer32	read-only Implement consistency with mib file definition.
portStateMaximumPower.1.1	.1.3.6.1.4.1.22426.1.5.4.1.7.1.1	Port maximum power, the unit for watts	Integer32	read-write Implement consistency with mib file definition.
portStateLegacy.1.1	.1.3.6.1.4.1.22426.1.5.4.1.8.1.1	Whether the compatibility check is enabled	INTEGER	read-write Implement consistency with mib file definition.
portStatePowerSupplyMode.1.1	.1.3.6.1.4.1.22426.1.5.4.1.9.1.1	Port power supply mode	INTEGER	read-only Implement consistency with mib file definition.

2.5 Loop Detect

(NMS-LDET-MIB

ldetPortTable!@#.iso.org.dod.internet.private.enterprises.nms.nmsModule.ldet.ldetGlobalModule)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
ldetGlobalEnabled.0	.1.3.6.1.4.1.22426.1.6.1.1.0	The enable state of the global loop detection	INTEGER {enabled(1), disabled(2)}	read-write Implement consistency with mib file definition.
ldetGlobalInterval.0	.1.3.6.1.4.1.22426	The interval	Integer32	read-write

	.1.6.1.2.0	between sending loop detection packets	(5..300)	Implement consistency with mib file definition.

(NMS-LDET-MIB

ldetPortTable!@#.iso.org.dod.internet.private.enterprises.nms.nmsModule.ldet.ldetPortTable

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Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
ldetPortifIndex.1	.1.3.6.1.4.1.22426.1.6.4.1.1.1	Port index	Integer32	not-accessible Implement consistency with mib file definition.
ldetPortEnabled.1	.1.3.6.1.4.1.22426.1.6.4.1.2.1	Enable state of port loop detection	INTEGER {enabled(1), disabled(2)}	read-write Implement consistency with mib file definition.
ldetPortAction.1	.1.3.6.1.4.1.22426.1.6.4.1.3.1	Port processing mode	INTEGER {alarm (1), down(2)}	read-write Implement consistency with mib file definition.
ldetPortStatus.1	.1.3.6.1.4.1.22426.1.6.4.1.4.1	Port status	INTEGER {normal(0), alarm(1), down(2)}	read-only Implement consistency with mib file definition.

2.6 Power Information

(NMS-SYS-MIB

powerTable!@#.iso.org.dod.internet.private.enterprises.nms.nmsModule.sys.powerTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
powerIndex.1	.1.3.6.1.4.1.22426.1.2.3.1.1.1	Power index	Gauge32 (1..100)	accessible-for-notify Implement consistency

				with mib file definition.
powerType.1	.1.3.6.1.4.1.22426.1.2.3.1.2.1	Power type	INTEGER {unknown(0), ac(1), dc(2)}	read-only Implement consistency with mib file definition.
powerState.1	.1.3.6.1.4.1.22426.1.2.3.1.3.1	Power state	INTEGER {on(1), off(2)}	read-create Only read operations are supported.
powerVoltage.1	.1.3.6.1.4.1.22426.1.2.3.1.4.1	Power voltage	Integer32	read-create Only read operations are supported.

2.7 Cable Detect

(NMS-CABLE-DIAG-MIB.iso.org.dod.internet.private.enterprises.nms.nmsModule.cableDiag.cableDiagTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
cableDiagPortIndex.1	.1.3.6.1.4.1.22426.1.9.1.1.1.1	Index value of interface 1	Integer (0..65535)	read-only Implement consistency with mib file definition.
cableDiagPortType.1	.1.3.6.1.4.1.22426.1.9.1.1.2.1	The port type of interface 1	INTEGER { fastEthernet (0), gigaEthernet (1), other (2)}	read-only Implement consistency with mib file definition.
cableDiagLinkStatus.1	.1.3.6.1.4.1.22426.1.9.1.1.3.1	Working status of interface 1	INTEGER { link-down (0), link-up (1), other (2)}	read-only Implement consistency with mib file definition.
cableDiagPair1Status.1	.1.3.6.1.4.1.22426.1.9.1.1.4.1	Pair 1 status of interface 1	INTEGER { Ok (0), Open (1), Short (2),	read-only Implement consistency with mib file definition.

			open-short (3), crosstalk (4), unknown (5), count (6), no-cable (7), other (8)}	
cableDiagPair2Status.1	.1.3.6.1.4.1.22426.1.9.1.1.5.1	Pair 2 status of interface 1	Same as cableDiagPair1Status	read-only Implement consistency with mib file definition.
cableDiagPair3Status.1	.1.3.6.1.4.1.22426.1.9.1.1.6.1	Pair 3 status of interface 1	Same as cableDiagPair1Status	read-only Implement consistency with mib file definition.
cableDiagPair4Status.1	.1.3.6.1.4.1.22426.1.9.1.1.7.1	Pair 4 status of interface 1	Same as cableDiagPair1Status	read-only Implement consistency with mib file definition.
cableDiagPair1Length.1	.1.3.6.1.4.1.22426.1.9.1.1.8.1	Pair 1 length of interface 1	INTEGER	read-only Implement consistency with mib file definition.
cableDiagPair2Length.1	.1.3.6.1.4.1.22426.1.9.1.1.9.1	Pair 2 length of interface 1	INTEGER	read-only Implement consistency with mib file definition.
cableDiagPair3Length.1	.1.3.6.1.4.1.22426.1.9.1.1.10.1	Pair 3 length of interface 1	INTEGER	read-only Implement consistency with mib file definition.
cableDiagPair4Length.1	.1.3.6.1.4.1.22426.1.9.1.1.11.1	Pair 4 length of interface 1	INTEGER	read-only Implement consistency with mib file definition.
cableDiagAction.1	.1.3.6.1.4.1.22426.1.9.1.1.12.1	Detection status of interface 1	INTEGER { Action (1), Processing (2), Other (3)}	read-write Implement consistency with mib file definition.
cableDiagStatus	.1.3.6.1.4.1.22426.1.	Detection result for	INTEGER {	read-only

.1	9.1.1.13.1	interface 1	not-run (1), processing (2), last-test-ok (3), last-test-failed (4)}	Implement consistency with mib file definition.

2.8 Port Control

(NMS-PORT-

MIB .iso.org.dod.internet.private.enterprises.nms.nmsModule.pctrl.portControlTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
portControlIndex .1	.1.3.6.1.4.1.22426.1.7.2.1.1.1	Index value of interface 1	Integer32 (1..2147483647)	read-only Implement consistency with mib file definition.
portControlAdminStatus.1	.1.3.6.1.4.1.22426.1.7.2.1.2.1	Management status of interface 1	INTEGER { Up (1), Down (2), Testing (3)}	read-write Implement consistency with mib file definition.
portControlOperStatus.1	.1.3.6.1.4.1.22426.1.7.2.1.3.1	Actual status of interface 1	INTEGER { Up (1), Down (2), Testing (3), unknown (4), dormant (5), Not Present (6), lowerLayerDown (7) }	read-only Implement consistency with mib file definition.
portControlAdminSpeed.1	.1.3.6.1.4.1.22426.1.7.2.1.4.1	Set the speed of interface 1	INTEGER { Auto (0), speed10Mb (1), speed100Mb (2), speed1000Mb (3), unknown (4), speed2500Mb (5),	read-write Implement consistency with mib file definition.

			speed10Gb (6), speed25Gb (7), speed40Gb (8), speed100Gb (9)}	
portControlAdminDuplex.1	.1.3.6.1.4.1.22426.1.7.2.1.5.1	Set the duplex of interface 1	INTEGER { Auto (0), Full (1), Half (2), Unknown (3)}	read-write Implement consistency with mib file definition.
portControlOperSpeed.1	.1.3.6.1.4.1.22426.1.7.2.1.6.1	Actual speed of interface 1	INTEGER { Other (0), speed10Mb (1), speed100Mb (2), speed1000Mb (3), unknown (4), speed2500Mb (5), speed10Gb (6), speed25Gb (7), speed40Gb (8), speed100Gb (9) }	read-only Implement consistency with mib file definition.
portControlOperDuplex.1	.1.3.6.1.4.1.22426.1.7.2.1.7.1	Actual duplex of interface 1	INTEGER { full(1), half(2), unknown(3)}	read-only Implement consistency with mib file definition.
portControlNegotiation.1	.1.3.6.1.4.1.22426.1.7.2.1.8.1	Auto-negotiation of interface 1	INTEGER { enabled(1), disabled(2)}	read-write Implement consistency with mib file definition.
portControlFlowControl.1	.1.3.6.1.4.1.22426.1.7.2.1.9.1	Set the flow control of interface 1	INTEGER { on(1), off(2), unknown(3)}	read-write Implement consistency with mib file definition.
portControlMtu.1	.1.3.6.1.4.1.22426.1.7.2.1.10.1	Set the MTU of interface 1	Integer32 (46..10222)	read-write Implement consistency with mib file definition.

portControlComboType.1	.1.3.6.1.4.1.22426.1.7.2.1.11.1	Set the combo mode of interface 1	INTEGER { copper(1), fiber(2), other(3), auto-copper(4), auto-fiber(5)}	read-write Implement consistency with mib file definition.
portControlPortMode.1	.1.3.6.1.4.1.22426.1.7.2.1.12.1	Actual combo mode of interface 1	INTEGER { copper(1), fiber(2), other(3)}	read-only Implement consistency with mib file definition.

2.9 Optical Information

(NMS-OPTICAL-MIB.iso.org.dod.internet.private.enterprises.nms.nmsModule.optical.opticalModuleInfoTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
opticalPortIndex.1	.1.3.6.1.4.1.22426.1.8.2.1.1.1	Port index	INTEGER (0..65535)	read-only Implement consistency with mib file definition.
opticalTransceiverType.1	.1.3.6.1.4.1.22426.1.8.2.1.2.1	Optical module type	OCTET STRING (SIZE (0..32))	read-only Implement consistency with mib file definition.
opticalConnectType.1	.1.3.6.1.4.1.22426.1.8.2.1.3.1	Optical module connector type	OCTET STRING (SIZE (0..16))	read-only Implement consistency with mib file definition.
opticalWaveLength.1	.1.3.6.1.4.1.22426.1.8.2.1.4.1	Wavelength of the optical module, unit: nm	Integer32	read-only Implement consistency with mib file definition.
opticalVendorName.1	.1.3.6.1.4.1.22426.1.8.2.1.5.1	The manufacturer name of the optical module	OCTET STRING (SIZE (0..64))	read-only Implement consistency with mib file definition.

opticalSerialNumber.1	.1.3.6.1.4.1.22426.1.8.2.1.6.1	Serial number of the optical module	OCTET STRING (SIZE (0..32))	read-only Implement consistency with mib file definition.
opticalPartNumber.1	.1.3.6.1.4.1.22426.1.8.2.1.7.1	Manufacturer's part number	OCTET STRING (SIZE (0..32))	read-only Implement consistency with mib file definition.
opticalTransferDistance.1	.1.3.6.1.4.1.22426.1.8.2.1.8.1	Transmission distance of optical module, unit: km	Integer32	read-only Implement consistency with mib file definition.
opticalSupportDDM.1	.1.3.6.1.4.1.22426.1.8.2.1.9.1	Whether the optical module supports DDM	INTEGER {support(1), not Support (2)}	read-only Implement consistency with mib file definition.
opticalTemperature.1	.1.3.6.1.4.1.22426.1.8.2.1.10.1	Optical module temperature, unit: °C	Integer32	read-only Implement consistency with mib file definition.
opticalVoltage.1	.1.3.6.1.4.1.22426.1.8.2.1.11.1	Optical module voltage, unit: 0.01V	Integer32	read-only Implement consistency with mib file definition.
opticalBiasCurrent.1	.1.3.6.1.4.1.22426.1.8.2.1.12.1	Bias current of optical module, unit: 0.01mA	Integer32	read-only Implement consistency with mib file definition.
opticalRxPower.1	.1.3.6.1.4.1.22426.1.8.2.1.13.1	Received power of optical module, unit: 0.01dBm	Integer32	read-only Implement consistency with mib file definition.
opticalTxPower.1	.1.3.6.1.4.1.22426.1.8.2.1.14.1	Transmission power of optical module, unit: 0.01dBm	Integer32	read-only Implement consistency with mib file definition.
opticalTempHiAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.15.1	Alarm threshold of high temperature of optical module	Integer32 (-255..255)	read-write Implement consistency with mib file definition.

opticalTempHiWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.16.1	Warning threshold of high temperature of optical module	Integer32 (-255..255)	read-write Implement consistency with mib file definition.
opticalTempLoWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.17.1	Warning threshold of low temperature of optical module	Integer32 (-255..255)	read-write Implement consistency with mib file definition.
opticalTempLoAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.18.1	Alarm threshold of low temperature of optical module	Integer32 (-255..255)	read-write Implement consistency with mib file definition.
opticalVoltHiAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.19.1	Alarm threshold of high voltage of optical module	Integer32 (0..500)	read-write Implement consistency with mib file definition.
opticalVoltHiWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.20.1	Warning threshold of high voltage of optical module	Integer32 (0..500)	read-write Implement consistency with mib file definition.
opticalVoltLoWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.21.1	Warning threshold of low voltage of optical module	Integer32 (0..500)	read-write Implement consistency with mib file definition.
opticalVoltLoAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.22.1	Alarm threshold of low voltage of optical module	Integer32 (0..500)	read-write Implement consistency with mib file definition.
opticalBiasHiAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.23.1	Alarm threshold of high current of optical module	Integer32 (0..50000)	read-write Implement consistency with mib file definition.
opticalBiasHiWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.24.1	Warning threshold of high current of optical module	Integer32 (0..50000)	read-write Implement consistency with mib file definition.
opticalBiasLoWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.25.1	Warning threshold of low current of optical module	Integer32 (0..50000)	read-write Implement consistency with mib file definition.

opticalBiasLoAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.26.1	Alarm threshold of low current of optical module	Integer32 (0..50000)	read-write Implement consistency with mib file definition.
opticalRxHiAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.27.1	Alarm threshold of high received power of optical module	Integer32 (-4000..1000)	read-write Implement consistency with mib file definition.
opticalRxHiWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.28.1	Warning threshold of high received power of optical module	Integer32 (-4000..1000)	read-write Implement consistency with mib file definition.
opticalRxLoWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.29.1	Warning threshold of low received power of optical module	Integer32 (-4000..1000)	read-write Implement consistency with mib file definition.
opticalRxLoAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.30.1	Alarm threshold of low received power of optical module	Integer32 (-4000..1000)	read-write Implement consistency with mib file definition.
opticalTxHiAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.31.1	Alarm threshold of high transmission power of optical module	Integer32 (-4000..1000)	read-write Implement consistency with mib file definition.
opticalTxHiWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.32.1	Warning threshold of high transmission power of optical module	Integer32 (-4000..1000)	read-write Implement consistency with mib file definition.
opticalTxLoWarn.1	.1.3.6.1.4.1.22426.1.8.2.1.33.1	Warning threshold of low transmission power of optical module	Integer32 (-4000..1000)	read-write Implement consistency with mib file definition.

opticalTxLoAlarm.1	.1.3.6.1.4.1.22426.1.8.2.1.34.1	Alarm threshold of low transmission power of optical module	Integer32 (-4000..1000)	read-write Implement consistency with mib file definition.

2.10 Fans

(NMS-SYS-MIB
iso.org.dod.internet.private.enterprises.nms.nmsModule.sys.fanStatusTable)

Node name	OIDs	Node description	Value type	Maximum access rights and implementation specifications
fanIndex.1	.1.3.6.1.4.1.22426.1.2.5.1.1.1	Fan index	Integer32	read-only Implement consistency with mib file definition.

fanSpeedStatus.1	.1.3.6.1.4.1.22426.1.2.5.1.2.1	Fan speed	INTEGER{
			unknown(0),
			low(1),
			medium(2),
			high(3)
			}
				read-only
				Implement consistency with mib file definition.

fanStatus.1	.1.3.6.1.4.1.22426.1.2.5.1.3.1	Fan status	INTEGER{
			normal(1),
			failure(2),
			}
				read-only
				Implement consistency with mib file definition.

3 Trap Notice

Node name	OIDs	Node description	field	Maximum access rights and implementation specifications
coldStart	.1.3.6.1.6.3.1.1.5.1	System cold start	none	
warmStart	.1.3.6.1.6.3.1.1.5.2	System warm boot	none	
linkDown	.1.3.6.1.6.3.1.1.5.3	port down	ifIndex, ifAdminStatus, ifOperStatus	
linkUp	.1.3.6.1.6.3.1.1.5.4	port up	ifIndex, ifAdminStatus, ifOperStatus	
dot3OamNonThresholdEvent	.1.3.6.1.2.1.158.0.2	Power down alarm	dot3OamEventLogTimestamp, dot3OamEventLogOui, dot3OamEventLogType, dot3OamEventLogLocation, dot3OamEventLogEventTotal	
pethPsePortOnOffNotification	.1.3.6.1.2.1.105.0.1	PoE port power supply status changes	pethPsePortDetectionStatus	
powerChange	.1.3.6.1.4.1.22426.1.2.7.1	Power state changes	powerIndex, powerType, powerState, powerVoltage	
batteryLow	.1.3.6.1.4.1.22426.1.2.7.2	Battery low	powerIndex	

batteryRecover	.1.3.6.1.4.1.22426.1.2.7.3	Battery recover	powerIndex	
loopDetect	.1.3.6.1.4.1.22426.1.6.2.1	Loop detected on a port	ifIndex	
loopRecover	.1.3.6.1.4.1.22426.1.6.2.2	Loop recovered on a port	ifIndex	
newRoot	.1.3.6.1.2.1.17.0.1	New root for stp	none	
topologyChange	.1.3.6.1.2.1.17.0.2	Topology change for stp/rstp	none	
opticalModuleAlarmEvent	.1.3.6.1.4.1.22426.1.8.7.1	Optical module alarm	opticalAlarmIfIndex, opticalAlarmInfo	
opticalModuleWarnEvent	.1.3.6.1.4.1.22426.1.8.7.2	Optical module warning	opticalAlarmIfIndex, opticalAlarmInfo	
relayWarning	.1.3.6.1.4.1.22426.1.4.2.1	Relay Alarm	relayWarningInfo	
fanFailure	.1.3.6.1.4.1.22426.1.2.7.4	Fan failure	fanIndex	
fanNormal	.1.3.6.1.4.1.22426.1.2.7.5	Fan normals	fanIndex	
fanSpeedStatusChange	.1.3.6.1.4.1.22426.1.2.7.6	Fan status change	fanIndex, fanSpeedStatus	