



Vordefinierte Elemente (CI)

# SNMP Systeme - Vordefinierte Elemente (CI)

## 1 SNMP Systeme

Name, SNMP Typ, Anzahl der Ports

### 1.1 Allgemein

Betriebszeit (Einheit: #,##0 h; Faktor: 360000,00), IP Adresse, Systemname, Beschreibung, Schnittstellenummer, Community, Standort, Kontakt

### 1.2 SNMP Netzwerk

Schnittstelle, IP Adresse, Subnetzmaske, Netzwerk

### 1.3 SNMP Schnittstellen

Name, MAC Adresse, Typ, Geschwindigkeit (Einheit: #,###,##0 MBit/s; Faktor: 1000000,00), MTU Größe (Einheit: #,###,##0 kB; Faktor: 1024,00), Verbindung

### 1.4 SNMP ARP Cache

MAC Adresse, IP Adresse, Typ

### 1.5 SNMP Routing Tabelle

Zieladresse, Subnetz, Gateway, Netzwerkmetrik

### 1.6 SNMP Netzwerk

IP Adresse, Subnetzmaske, Schnittstelle

### 1.7 SNMP Schnittstellen

Name, Typ, Geschwindigkeit (Einheit: #,###,##0 MBit/s; Faktor: 1000000,00), MAC Adresse, Verbindung, Paketgröße (Einheit: #,###,##0.00 kB; Faktor: 1024,00)

#### 1.7.1 SNMPMIB Int Port Data

Port Index, Schnittstellenindex

### 1.8 SNMP ARP Cache

IP Adresse, MAC Adresse, Typ

### 1.9 SNMP Routing Tabelle

Netzwerkziel, Netzwerk Subnetz, Netzwerkmetrik, Gateway

### 1.10 Druckerinformationen

Hersteller, Seriennummer

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## 1.11 Toner Verbrauch

Gedruckte Seiten (Einheit: #,###0), Tonerstand Schwarz (Einheit: #0 %), Tonerstand Cyan (Einheit: #0 %), Tonerstand Magenta (Einheit: #0 %), Tonerstand Gelb (Einheit: #0 %), Gedruckte Seiten seit letztem Einschalten (Einheit: #,###0), Fuser Kit, Transfer Kit, Toner Bezeichnung Schwarz, Toner Bezeichnung Magenta, Toner Bezeichnung Cyan, Toner Bezeichnung Gelb

## 1.12 SNMP Mib

Name

### 1.12.1 SNMP Mib Oid

Oid, Oid Pfad, Wert Typ, Name

#### 1.12.1.1 SNMP Werte

OID, Typ, Wert

Printer-MIB

printmib, prtGeneral, prtGeneralTable, prtGeneralEntry, prtGeneralConfigChanges, prtGeneralCurrentLocalization, prtGeneralReset, prtGeneralCurrentOperator, prtGeneralServicePerson, prtInputDefaultIndex, prtOutputDefaultIndex, prtMarkerDefaultIndex, prtMediaPathDefaultIndex, prtConsoleLocalization, prtConsoleNumberOfDisplayLines, prtConsoleNumberOfDisplayChars, prtConsoleDisable, prtAuxiliarySheetStartupPage, prtAuxiliarySheetBannerPage, prtGeneralPrinterName, prtGeneralSerialNumber, prtAlertCriticalEvents, prtAlertAllEvents, prtStorageRefTable, prtStorageRefEntry, prtStorageRefSeqNumber, prtStorageRefIndex, prtDeviceRefTable, prtDeviceRefEntry, prtDeviceRefSeqNumber, prtDeviceRefIndex, prtCover, prtCoverTable, prtCoverEntry, prtCoverIndex, prtCoverDescription, prtCoverStatus, prtLocalization, prtLocalizationTable, prtLocalizationEntry, prtLocalizationIndex, prtLocalizationLanguage, prtLocalizationCountry, prtLocalizationCharacterSet, prtInput, prtInputTable, prtInputEntry, prtInputIndex, prtInputType, prtInputDimUnit, prtInputMediaDimFeedDirDeclared, prtInputMediaDimXFeedDirDeclared, prtInputMediaDimFeedDirChosen, prtInputMediaDimXFeedDirChosen, prtInputCapacityUnit, prtInputMaxCapacity, prtInputCurrentLevel, prtInputStatus, prtInputMediaName, prtInputName, prtInputVendorName, prtInputModel, prtInputVersion, prtInputSerialNumber, prtInputDescription, prtInputSecurity, prtInputMediaWeight,

prtInputMediaType, prtInputMediaColor, prtInputMediaFormParts,  
prtInputMediaLoadTimeout, prtInputNextIndex, prtOutput,  
prtOutputTable, prtOutputEntry, prtOutputIndex, prtOutputType,  
prtOutputCapacityUnit, prtOutputMaxCapacity,  
prtOutputRemainingCapacity, prtOutputStatus, prtOutputName,  
prtOutputVendorName, prtOutputModel, prtOutputVersion,  
prtOutputSerialNumber, prtOutputDescription, prtOutputSecurity,  
prtOutputDimUnit, prtOutputMaxDimFeedDir,  
prtOutputMaxDimXFeedDir, prtOutputMinDimFeedDir,  
prtOutputMinDimXFeedDir, prtOutputStackingOrder,  
prtOutputPageDeliveryOrientation, prtOutputBursting,  
prtOutputDecollating, prtOutputPageCollated,  
prtOutputOffsetStacking, prtMarker, prtMarkerTable,  
prtMarkerEntry, prtMarkerIndex, prtMarkerMarkTech,  
prtMarkerCounterUnit, prtMarkerLifeCount,  
prtMarkerPowerOnCount, prtMarkerProcessColorants,  
prtMarkerSpotColorants, prtMarkerAddressabilityUnit,  
prtMarkerAddressabilityFeedDir, prtMarkerAddressabilityXFeedDir,  
prtMarkerNorthMargin, prtMarkerSouthMargin,  
prtMarkerWestMargin, prtMarkerEastMargin, prtMarkerStatus,  
prtMarkerSupplies, prtMarkerSuppliesTable,  
prtMarkerSuppliesEntry, prtMarkerSuppliesIndex,  
prtMarkerSuppliesMarkerIndex, prtMarkerSuppliesColorantIndex,  
prtMarkerSuppliesClass, prtMarkerSuppliesType,  
prtMarkerSuppliesDescription, prtMarkerSuppliesSupplyUnit,  
prtMarkerSuppliesMaxCapacity, prtMarkerSuppliesLevel,  
prtMarkerColorant, prtMarkerColorantTable,  
prtMarkerColorantEntry, prtMarkerColorantIndex,  
prtMarkerColorantMarkerIndex, prtMarkerColorantRole,  
prtMarkerColorantValue, prtMarkerColorantTonality,  
prtMediaPath, prtMediaPathTable, prtMediaPathEntry,  
prtMediaPathIndex, prtMediaPathMaxSpeedPrintUnit,  
prtMediaPathMediaSizeUnit, prtMediaPathMaxSpeed,  
prtMediaPathMaxMediaFeedDir, prtMediaPathMaxMediaXFeedDir,  
prtMediaPathMinMediaFeedDir, prtMediaPathMinMediaXFeedDir,  
prtMediaPathType, prtMediaPathDescription, prtMediaPathStatus,  
prtChannel, prtChannelTable, prtChannelEntry, prtChannelIndex,  
prtChannelType, prtChannelProtocolVersion,  
prtChannelCurrentJobCntlLangIndex,  
prtChannelDefaultPageDescLangIndex, prtChannelState,  
prtChannelIfIndex, prtChannelStatus, prtChannelInformation,  
prtInterpreter, prtInterpreterTable, prtInterpreterEntry,

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prtInterpreterIndex, prtInterpreterLangFamily, prtInterpreterLangLevel, prtInterpreterLangVersion, prtInterpreterDescription, prtInterpreterVersion, prtInterpreterDefaultOrientation, prtInterpreterFeedAddressability, prtInterpreterXFeedAddressability, prtInterpreterDefaultCharSetIn, prtInterpreterDefaultCharSetOut, prtInterpreterTwoWay, prtConsoleDisplayBuffer, prtConsoleDisplayBufferTable, prtConsoleDisplayBufferEntry, prtConsoleDisplayBufferIndex, prtConsoleDisplayBufferText, prtConsoleLights, prtConsoleLightTable, prtConsoleLightEntry, prtConsoleLightIndex, prtConsoleOnTime, prtConsoleOffTime, prtConsoleColor, prtConsoleDescription, prtAlert, prtAlertTable, prtAlertEntry, prtAlertIndex, prtAlertSeverityLevel, prtAlertTrainingLevel, prtAlertGroup, prtAlertGroupIndex, prtAlertLocation, prtAlertCode, prtAlertDescription, prtAlertTime, printerV1Alert, printerV2AlertPrefix, printerV2Alert, prtMIBConformance, prtMIBCompliance, prtMIBGroups, prtGeneralGroup, prtResponsiblePartyGroup, prtInputGroup, prtExtendedInputGroup, prtInputMediaGroup, prtOutputGroup, prtExtendedOutputGroup, prtOutputDimensionsGroup, prtOutputFeaturesGroup, prtMarkerGroup, prtMarkerSuppliesGroup, prtMarkerColorantGroup, prtMediaPathGroup, prtChannelGroup, prtInterpreterGroup, prtConsoleGroup, prtAlertTableGroup, prtAuxiliarySheetGroup, prtInputSwitchingGroup

### RFC1213-MIB

mib-2, system, sysDescr, sysObjectID, sysUpTime, sysContact, sysName, sysLocation, sysServices, interfaces, ifNumber, ifTable, ifEntry, ifIndex, ifDescr, ifType, ifMtu, ifSpeed, ifPhysAddress, ifAdminStatus, ifOperStatus, ifLastChange, ifInOctets, ifInUcastPkts, ifInNUcastPkts, ifInDiscards, ifInErrors, ifInUnknownProtos, ifOutOctets, ifOutUcastPkts, ifOutNUcastPkts, ifOutDiscards, ifOutErrors, ifOutQLen, ifSpecific, at, atTable, atEntry, atIfIndex, atPhysAddress, atNetAddress, ip, ipForwarding, ipDefaultTTL, ipInReceives, ipInHdrErrors, ipInAddrErrors, ipForwDatagrams, ipInUnknownProtos, ipInDiscards, ipInDelivers, ipOutRequests, ipOutDiscards, ipOutNoRoutes, ipReasmTimeout, ipReasmReqds, ipReasmOKs, ipReasmFails, ipFragOKs, ipFragFails, ipFragCreates, ipAddrTable, ipAddrEntry, ipAdEntAddr, ipAdEntIfIndex, ipAdEntNetMask, ipAdEntBcastAddr, ipAdEntReasmMaxSize, ipRouteTable, ipRouteEntry, ipRouteDest, ipRouteIfIndex, ipRouteMetric1,

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ipRouteMetric2, ipRouteMetric3, ipRouteMetric4, ipRouteNextHop, ipRouteType, ipRouteProto, ipRouteAge, ipRouteMask, ipRouteMetric5, ipRouteInfo, ipNetToMediaTable, ipNetToMediaEntry, ipNetToMediaIfIndex, ipNetToMediaPhysAddress, ipNetToMediaNetAddress, ipNetToMediaType, ipRoutingDiscards, icmp, icmpInMsgs, icmpInErrors, icmpInDestUnreachs, icmpInTimeExcds, icmpInParmProbs, icmpInSrcQuenchs, icmpInRedirects, icmpInEchos, icmpInEchoReps, icmpInTimestamps, icmpInTimestampReps, icmpInAddrMasks, icmpInAddrMaskReps, icmpOutMsgs, icmpOutErrors, icmpOutDestUnreachs, icmpOutTimeExcds, icmpOutParmProbs, icmpOutSrcQuenchs, icmpOutRedirects, icmpOutEchos, icmpOutEchoReps, icmpOutTimestamps, icmpOutTimestampReps, icmpOutAddrMasks, icmpOutAddrMaskReps, tcp, tcpRtoAlgorithm, tcpRtoMin, tcpRtoMax, tcpMaxConn, tcpActiveOpens, tcpPassiveOpens, tcpAttemptFails, tcpEstabResets, tcpCurrEstab, tcpInSegs, tcpOutSegs, tcpRetransSegs, tcpConnTable, tcpConnEntry, tcpConnState, tcpConnLocalAddress, tcpConnLocalPort, tcpConnRemAddress, tcpConnRemPort, tcpInErrs, tcpOutRsts, udp, udpInDatagrams, udpNoPorts, udpInErrors, udpOutDatagrams, udpTable, udpEntry, udpLocalAddress, udpLocalPort, egp, egpInMsgs, egpInErrors, egpOutMsgs, egpOutErrors, egpNeighTable, egpNeighEntry, egpNeighState, egpNeighAddr, egpNeighAs, egpNeighInMsgs, egpNeighInErrs, egpNeighOutMsgs, egpNeighOutErrs, egpNeighInErrMsgs, egpNeighOutErrMsgs, egpNeighStateUps, egpNeighStateDowns, egpNeighIntervalHello, egpNeighIntervalPoll, egpNeighMode, egpNeighEventTrigger, egpAs, transmission, snmp, snmpInPkts, snmpOutPkts, snmpInBadVersions, snmpInBadCommunityNames, snmpInBadCommunityUses, snmpInASNParseErrs, snmpInTooBig, snmpInNoSuchNames, snmpInBadValues, snmpInReadOnlys, snmpInGenErrs, snmpInTotalReqVars, snmpInTotalSetVars, snmpInGetRequests, snmpInGetNexts, snmpInSetRequests, snmpInGetResponses, snmpInTraps, snmpOutTooBig, snmpOutNoSuchNames, snmpOutBadValues, snmpOutGenErrs, snmpOutGetRequests, snmpOutGetNexts, snmpOutSetRequests, snmpOutGetResponses, snmpOutTraps, snmpEnableAuthenTraps, snmpInBadTypes, snmpOutReadOnlys

Q-BRIDGE-MIB

qBridgeMIB, qBridgeMIBObjects, dot1qBase, dot1qVlanVersionNumber, dot1qMaxVlanId, dot1qMaxSupportedVlans, dot1qNumVlans, dot1qGvrpStatus,

dot1qTp, dot1qFdbTable, dot1qFdbEntry, dot1qFdbId,  
dot1qFdbDynamicCount, dot1qTpFdbTable, dot1qTpFdbEntry,  
dot1qTpFdbAddress, dot1qTpFdbPort, dot1qTpFdbStatus,  
dot1qTpGroupTable, dot1qTpGroupEntry, dot1qTpGroupAddress,  
dot1qTpGroupEgressPorts, dot1qTpGroupLearnt,  
dot1qForwardAllTable, dot1qForwardAllEntry,  
dot1qForwardAllPorts, dot1qForwardAllStaticPorts,  
dot1qForwardAllForbiddenPorts, dot1qForwardUnregisteredTable,  
dot1qForwardUnregisteredEntry, dot1qForwardUnregisteredPorts,  
dot1qForwardUnregisteredStaticPorts,  
dot1qForwardUnregisteredForbiddenPorts, dot1qStatic,  
dot1qStaticUnicastTable, dot1qStaticUnicastEntry,  
dot1qStaticUnicastAddress, dot1qStaticUnicastReceivePort,  
dot1qStaticUnicastAllowedToGoTo, dot1qStaticUnicastStatus,  
dot1qStaticMulticastTable, dot1qStaticMulticastEntry,  
dot1qStaticMulticastAddress, dot1qStaticMulticastReceivePort,  
dot1qStaticMulticastStaticEgressPorts,  
dot1qStaticMulticastForbiddenEgressPorts,  
dot1qStaticMulticastStatus, dot1qVlan, dot1qVlanNumDeletes,  
dot1qVlanCurrentTable, dot1qVlanCurrentEntry,  
dot1qVlanTimeMark, dot1qVlanIndex, dot1qVlanFdbId,  
dot1qVlanCurrentEgressPorts, dot1qVlanCurrentUntaggedPorts,  
dot1qVlanStatus, dot1qVlanCreationTime, dot1qVlanStaticTable,  
dot1qVlanStaticEntry, dot1qVlanStaticName,  
dot1qVlanStaticEgressPorts, dot1qVlanForbiddenEgressPorts,  
dot1qVlanStaticUntaggedPorts, dot1qVlanStaticRowStatus,  
dot1qNextFreeLocalVlanIndex, dot1qPortVlanTable,  
dot1qPortVlanEntry, dot1qPvid, dot1qPortAcceptableFrameTypes,  
dot1qPortIngressFiltering, dot1qPortGvrpStatus,  
dot1qPortGvrpFailedRegistrations, dot1qPortGvrpLastPduOrigin,  
dot1qPortVlanStatisticsTable, dot1qPortVlanStatisticsEntry,  
dot1qTpVlanPortInFrames, dot1qTpVlanPortOutFrames,  
dot1qTpVlanPortInDiscards, dot1qTpVlanPortInOverflowFrames,  
dot1qTpVlanPortOutOverflowFrames,  
dot1qTpVlanPortInOverflowDiscards,  
dot1qPortVlanHCStatisticsTable, dot1qPortVlanHCStatisticsEntry,  
dot1qTpVlanPortHCInFrames, dot1qTpVlanPortHCOutFrames,  
dot1qTpVlanPortHCInDiscards, dot1qLearningConstraintsTable,  
dot1qLearningConstraintsEntry, dot1qConstraintVlan,  
dot1qConstraintSet, dot1qConstraintType,

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dot1qConstraintStatus, dot1qConstraintSetDefault, dot1qConstraintTypeDefault, qBridgeConformance, qBridgeGroups, qBridgeBaseGroup, qBridgeFdbUnicastGroup, qBridgeFdbMulticastGroup, qBridgeServiceRequirementsGroup, qBridgeFdbStaticGroup, qBridgeVlanGroup, qBridgeVlanStaticGroup, qBridgePortGroup, qBridgeVlanStatisticsGroup, qBridgeVlanStatisticsOverflowGroup, qBridgeVlanHCStatisticsGroup, qBridgeLearningConstraintsGroup, qBridgeLearningConstraintDefaultGroup, qBridgeCompliances, qBridgeCompliance

### BRIDGE-MIB

dot1dBridge, dot1dNotifications, newRoot, topologyChange, dot1dBase, dot1dBaseBridgeAddress, dot1dBaseNumPorts, dot1dBaseType, dot1dBasePortTable, dot1dBasePortEntry, dot1dBasePort, dot1dBasePortIfIndex, dot1dBasePortCircuit, dot1dBasePortDelayExceededDiscards, dot1dBasePortMtuExceededDiscards, dot1dStp, dot1dStpProtocolSpecification, dot1dStpPriority, dot1dStpTimeSinceTopologyChange, dot1dStpTopChanges, dot1dStpDesignatedRoot, dot1dStpRootCost, dot1dStpRootPort, dot1dStpMaxAge, dot1dStpHelloTime, dot1dStpHoldTime, dot1dStpForwardDelay, dot1dStpBridgeMaxAge, dot1dStpBridgeHelloTime, dot1dStpBridgeForwardDelay, dot1dStpPortTable, dot1dStpPortEntry, dot1dStpPort, dot1dStpPortPriority, dot1dStpPortState, dot1dStpPortEnable, dot1dStpPortPathCost, dot1dStpPortDesignatedRoot, dot1dStpPortDesignatedCost, dot1dStpPortDesignatedBridge, dot1dStpPortDesignatedPort, dot1dStpPortForwardTransitions, dot1dStpPortPathCost32, dot1dSr, dot1dTp, dot1dTpLearnedEntryDiscards, dot1dTpAgingTime, dot1dTpFdbTable, dot1dTpFdbEntry, dot1dTpFdbAddress, dot1dTpFdbPort, dot1dTpFdbStatus, dot1dTpPortTable, dot1dTpPortEntry, dot1dTpPort, dot1dTpPortMaxInfo, dot1dTpPortInFrames, dot1dTpPortOutFrames, dot1dTpPortInDiscards, dot1dStatic, dot1dStaticTable, dot1dStaticEntry, dot1dStaticAddress, dot1dStaticReceivePort, dot1dStaticAllowedToGoTo, dot1dStaticStatus, dot1dConformance, dot1dGroups, dot1dBaseBridgeGroup, dot1dBasePortGroup, dot1dStpBridgeGroup, dot1dStpPortGroup, dot1dStpPortGroup2, dot1dStpPortGroup3, dot1dTpBridgeGroup, dot1dTpFdbGroup, dot1dTpGroup, dot1dStaticGroup, dot1dNotificationGroup, dot1dCompliances,



