



predefined elements (CI)

SNMP Systems - predefined elements (CI)

1 SNMP Systems

Name, SNMP Type, Number of Ports

1.1 General

Uptime (Unit: #,##0 h; Factor: 360000,00), IP Address, System Name, Description, Interface Number, Community, Location, Contact

1.2 SNMP Network

Interface, IP Address, Subnet Mask, Network

1.3 SNMP Interfaces

Name, MAC Address, Type, Speed (Unit: #,###,##0 MBit/s; Factor: 1000000,00), MTU Size (Unit: #,###,##0 kB; Factor: 1024,00), Connection

1.4 SNMP ARP Cache

MAC Address, IP Address, Type

1.5 SNMP Routing Table

Destination, Subnet, Gateway, Route Metric

1.6 SNMP Network

IP Address, Subnet Mask, Interface

1.7 SNMP Interfaces

Name, Type, Speed (Unit: #,###,##0 MBit/s; Factor: 1000000,00), MAC Address, Connection, MTU Size (Unit: #,###,##0.00 kB; Factor: 1024,00)

1.7.1 SNMPMIB Int Port Data

Port Index, Interface Index

1.8 SNMP ARP Cache

IP Address, MAC Address, Type

1.9 SNMP Routing Table

Route Destination, Route Subnet, Route Metric, Gateway

1.10 Printer Information

Manufacturer, Serial Number

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1.11 Toner Usage

Printed Pages (Unit: #,###0), Toner Level - Black (Unit: #0 %), Toner Level - Cyan (Unit: #0 %), Toner Level - Magenta (Unit: #0 %), Toner Level - Yellow (Unit: #0 %), Printed Pages since Last Power-on (Unit: #,###0), Fuser Kit, Transfer Kit, Toner Name - Black, Toner Name - Magenta, Toner Name - Cyan, Toner Name - Yellow

1.12 SNMP Mib

Name

1.12.1 SNMP Mib Oid

Oid, Oid Path, Value Type, Name

1.12.1.1 SNMP Values

OID, Type, Value

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,

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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, egg, eggInMsgs, eggInErrors, eggOutMsgs, eggOutErrors, eggNeighTable, eggNeighEntry, eggNeighState, eggNeighAddr, eggNeighAs, eggNeighInMsgs, eggNeighInErrs, eggNeighOutMsgs, eggNeighOutErrs, eggNeighInErrMsgs, eggNeighOutErrMsgs, eggNeighStateUps, eggNeighStateDowns, eggNeighIntervalHello, eggNeighIntervalPoll, eggNeighMode, eggNeighEventTrigger, eggAs, 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,

