



MIBs for HP A-Series, H3C and 3Com

v 3.1

Release Notes



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1 Glossary

SNMP: Simple Network Management Protocol, used by Network Management Systems to configure and monitor network devices.

MIBs: Management Information Base, the specification of SNMP data (MIB objects) exchanged between network management stations and devices.

MIB Browser: software used to read or write MIB objects

MIB object: a piece of SNMP data

MIB OID: a MIB object identifier, eg. the sysObjectID is the product identifier

MIB companion: the list of objects supported by a particular product/family

Public MIBs: published as standards by the IEEE and the IETF (as RFC's)

Private MIBs: published by vendors for extended operation and configuration of special features

Import List: the list of MIBs that must be imported into a MIB browser before a MIB can be loaded

Quick Reference of names: the list of MIB OID names

Quick Reference of descriptions: the list of MIB OID descriptions

MIB Update history: the change history of MIB files.



2 Package Contents

This MIB package includes the following items:

MIBs_for_HPA_Series_H3C_and_3Com_v3_Release_Notes.pdf

MIBUpdateHistory.txt

- HP A-Series
 - o Import List, Quick Reference of names, Quick Reference of descriptions
 - o Standard and private hh3c MIB files
 - o MIB Companions
- H3C
 - o Import List, Quick Reference of names, Quick Reference of descriptions
 - o MIB companions
 - o Standard MIBs and private huawei/h3c MIB files
- 3Com
 - o Import List, Quick Reference of names, Quick Reference of descriptions
 - o MIB companions
 - o Standard MIBs and private 3Com/huawei MIB files

Definitions for the HP E series (3Com legacy) products are included in the 3Com products.

3 sysObject ID change

The MIB object for the product identifier is:

iso.org.dod.internet.mgmt.mib-2.system.sysObjectID

In the near future, the A-Series products with an HP badge will introduce a new sysObjectID. This will be different from equivalent products with a dual A-Series/H3C logo.

The new sysObjectIDs can be found in the hh3c-productid.mib under the following branches:

-- hpNetworking is 1.3.6.1.4.1.25506.11

hpSwitch	OBJECT IDENTIFIER ::= { hpNetworking 1 }
hpRouter	OBJECT IDENTIFIER ::= { hpNetworking 2 }
hpWireless	OBJECT IDENTIFIER ::= { hpNetworking 3 }
hpSecurity	OBJECT IDENTIFIER ::= { hpNetworking 4 }



The legacy E-series 3Com conversion products will not change sysoid.

4 MIB Root OID

The vendor id is embedded in every MIB object identifier, starting from the enterprise branch iso.org.dod.internet.private.enterprise (1.3.6.1.4.1). This is also called the MIB root OID and can be verified using a MIB browser and walking any private MIB object.

The table below identifies the MIB root OIDs for each product family and shows a sample MIB object for CPU usage, as implemented by each of the device families.

Product Family	Vendor Id (MIB root OID)	Sample Object ID	Sample Object Name
HP A-Series	(hh3c) 1.3.6.1.4.1.25506	.1.3.6.1.4.1.25506.2.6.1.1.1.1.6	hh3cEntityExtCpuUsage
H3C	(huawei) 1.3.6.1.4.1.2011	.1.3.6.1.4.1.2011.10.2.6.1.1.1.1.6	h3cEntityExtCpuUsage
3Com	(a3Com) 1.3.6.1.4.1.43	.1.3.6.1.4.1.43.45.1.10.2.6.1.1.1.1.6	h3cEntityExtCpuUsage
HP E-Series 3Com Legacy	(a3Com) 1.3.6.1.4.1.43	.1.3.6.1.4.1.43.45.1.10.2.6.1.1.1.1.6	h3cEntityExtCpuUsage

The table below lists the MIB root OIDs by product.

Product	hh3c	huawei	a3Com
A-Series products, no H3C badge	√		
H3C MSR Routers	√		
H3C S5500-SI	√		
H3C S5500-EI	√		
H3C SR6600	√		
H3C S7500E	√		
H3C WX Series	√		
H3C S5800	√		
H3C S9500	√		
H3C 12500	√		
H3C S3100EI		√	
H3C S3600		√	



Product	hh3c	huawei	a3Com
H3C S5100-EI		√	
H3C U100-U200-V100-V1000 (8048 MIB companion)		√	
3Com Switch 4200G / HP E4200G			√
3Com Switch 4210 / HP E4210			√
3Com Switch 4500 / HP E4500			√
3Com Switch 4500G / HP E4500G			√
3Com Switch 4800G / HP E4800G			√
3Com Switch 4200G / HP E4200G			√
3Com Switch 5500-EI / HP E5500-EI			√
3Com Switch 5500-SI / HP E5500-SI			√
3Com Switch 5500G / HP E5500G			√
3Com Switch 7700 / HP 7700			√
3Com Switch 7900E / HP E7900			√
3Com Switch 8800 / HP 8800			√
3Com 5000 Routers / HP 5000 Router			√
3Com 6000 Routers /HP 6000 Router			√

5 Package Format and Usage

Unzip the package to extract the MIB files, and import them into any mib browser.

6 Version Information

Version number	Release date	Remark
v.1.0	2009-10-15	First Release



Version number	Release date	Remark
v.2.0	2010-4-15	Added Intellijack, MIBs from 3Com/H3C March Release
V 3.0	2011-6-20	HP release (April Mibs)
V 3.1	2011-6-23	Added HP E products