

\$RCSfile: Readme.txt,v \$
\$Revision: 1.14 \$
\$Date: 2008-06-17 20:24:21 \$
\$Author: vesnaanusic \$

RuggedCom MIBs

All following MIBs are supported by RuggedSwitch firmware version

MIBs supported by RuggedCom products:

RuggedCom products support two sets of MIBs: proprietary MIBs (RuggedComMIBs.zip) and standard MIBs (StandardMIBs.zip). Provided is a RuggedComCompleteMIB.zip file that contains all supported MIBs combined in one file.

To use MIBs following has to be done:

- If compiler used by management software supports multiple MIBs in one file, RuggedComCompleteMIB.zip must be extracted to the directory required by compiler and compiled.
- If compiler used by management software does not supports multiple MIBs in one file, all mibs from StandardMIBs.zip and RuggedComMIBs.zip must be extracted to the directory required by compiler and compiled.

Standard_MIBs_XXXXXX.zip contains following MIBs:

- Following is a list of MIBs contained by this file and rfc numbers from which they are derived (if applicable):

- rfc2578.mib (SNMPv2-SMI: Structure of Management Information Version 2)
- rfc2579.mib (SNMPv2-TC: Textual Conventions for SMIV2)
- rfc2580.mib (SNMPv2-CONF: Conformance Statements for SMIV2)
- IANAifType-MIB (IANAifType Textual Convention)
- rfc1907.mib (SNMPv2-MIB: Management Information Base for SNMPv2)
- rfc2013.mib (UDP-MIB: Management Information Base for the UDP using SMIV2)
- rfc2012.mib (TCP-MIB: SNMPv2 Management Information Base for the Transmission Control Protocol using SMIV2)
- rfc2863.mib (IF-MIB: The Interfaces Group MIB)
- rfc2819.mib (RMON-MIB: Remote Network Monitoring Management Information Base)
- rfc4318.mib (RSTP-MIB: Definitions of Managed Objects for Bridges with Rapid Spanning Tree Protocol)
- rfc4188.mib (BRIDGE-MIB: Definitions of Managed Objects for Bridges)
- rfc3411.mib (SNMP-FRAMEWORK-MIB: An Architecture for Describing Simple Network Management Protocol (SNMP) Management Framework)
- rfc3414.mib (SNMP-USER-BASED-SM-MIB: User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3))
- rfc3415.mib (SNMP-VIEW-BASED-ACM-MIB: View-based Access Control Model (VACM) for the Simple Management Protocol (SNMP))

- lldp-mib.mib (LLDP-MIB: Management Information Base module for LLDP configuration, statistics, local system data and remote systems data components. This version of this MIB module is published as subclause 12.1 of IEEE Std 802.1AB-2005; see the standard itself for full legal notices.

RuggedCom_MIBs_XXXXXX.zip contains following MIBs

- ruggedcom.mib (RUGGEDCOM-MIB: RuggedCom enterprise SMI)
- ruggedcomtraps.mib (RUGGEDCOM-TRAPS-MIB: RuggedCom traps definition)
- rssysteminfo.mib (RUGGEDCOM-SYS-INFO-MIB: General system information about Ruggedcom device)
- ruggedswitch.mib (RUGGEDCOM-SWITCH-MIB: Management for RuggedCom Switches)
- ruggedserver.mib (RUGGEDCOM-SERVER-MIB: Management for RuggedCom Server)
- ruggedmc30.mib (RUGGEDCOM-MC30-MIB: Management for RuggedCom Media Converter)
- ruggedcomcomplete.mib (Combined all mibs)

Compiling MIBs

1. Some compilers successfully compile individual MIBs but ruggedcomcomplete.mib fails.
ruggedcomcomplete.mib should not be compiled if all individual MIBs are compiled and loaded to the management tool. It can be used ONLY if compilers support that form of MIB. (Often reported by HPOpenView users).
2. If enumeration names contain character '_' (underscore). Some compilers like smi2smir (XP built in compiler) do not support underscore in names. To resolve problem, character '_' should be removed.
Example:
Text like rs900v2_F(12) should be replaced by rs900v2F(12)
3. Some compiler like smi2smir do not tolerate Agent Capabilities Variation. Note that Agent Capabilities statement is not well defined by standard and gives literally NO INFORMATION to the SNMP management tool (it does give information to the tool developer if needed to restrict some syntaxes or access, so existence in MIBs is important). It can be omitted during compiling process.
Therefore, if compiler has a problem compiling ruggedswitch.mib, ruggedserver.mib and ruggedmc30.mib, they do not have to be compiled. There will be no problem for SNMP functionality.