

4388 **4.17 Simple network management**

4389 **4.17.1 Overview**

4390 The utilization of the RFC 1213 (MIB 2), RFC 2674 (Bridges with traffic classes), RFC 2863
 4391 (IF MIB), RFC 3418 (SNMP), RFC 3621 (Power over Ethernet MIB), RFC 4836 (MAU MIB)
 4392 and IEEE 802.1AB (LLDP MIB) standards are defined for this specification. Furthermore, the
 4393 PNIO MIB is specified in 4.17.3 and LLDP EXT MIB is specified in 4.17.5.

4394 **4.17.2 MIB-II**

4395 OIDs according Table 358 shall be supported if SNMP is supported. Writeable OIDs shall be
 4396 stored permanently and reseted by FactoryReset and ResetToFactory, "Reset application
 4397 data" or "Reset all stored data".

4398 **Table 358 – List of supported MIB 2 objects**

OID value	OID name	Accessible
1.3.6.1.2.1.1.1	sysDescr	Read ^a
1.3.6.1.2.1.1.2	sysObjectID	Read
1.3.6.1.2.1.1.3	sysUpTime	Read
1.3.6.1.2.1.1.4	sysContact	Read / Write
1.3.6.1.2.1.1.5	sysName	Read / Write
1.3.6.1.2.1.1.6	sysLocation	Read / Write
1.3.6.1.2.1.1.7	sysService	Read
^a Coding according Table 267 recommended.		

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4400 **4.17.3 Enterprise number for PNIO MIB**

4401 The coding of the field enterprise number shall be according to Table 359.

4402 **Table 359 – Enterprise number**

Value (decimal)	Meaning
24 686	Enterprise number for the PNIO MIB

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4404 **4.17.4 MIB cross reference**

4405 It is recommended that each (LLDP-MIB.)"lldpLocPortDesc" is defined disjunct to make a
 4406 cross reference to the MIB-II possible.

4407 The link between the MIB-II and the LLDP-MIB may be done by the rule (LLDP-
 4408 MIB.)"lldpLocPortDesc" == (MIB-II.)"ifDescr".

4409 **4.17.5 LLDP EXT MIB**

4410 See Annex W

4411 **4.18 Common DLL Mapping Protocol Machines**

4412 **4.18.1 Overview**

4413 The DLL Mapping Protocol Machines (DMPM) consists of several protocol machines:

- 4414 - Handling of the services invoked by other Application Layer entities (LMPM)
- 4415 - Forwarding for RT_CLASS_3 (RED_Relay)
- 4416 - Forwarding for DFP (DFP_Relay)

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