

Preface

This document contains MIB definitions for SynOptics Communications, Inc. manageable concentrators products. The contents of this document contain SynOptic concentrator token ring specific MIB definitions. Objects common to all concentrator types can be found in the SynOptics Common MIB document.

The information in this document is subject to change without notice.

General Model

Definitions are all located in one section. It is meant that this document appear as one chapter so it can easily be included as part of other documents. Every effort has been made to use standard definitions instead of creating proprietary ones.

All SynOptics private extensions will be contained in a separate sub-tree of the mib under:

iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).synoptics(45).

Identification of Object Instances

The type-specific naming of object instances are defined prior to the object definitions for those objects requiring type-specific instances. Instances of an object type to which no type-specific instances are defined are named by OBJECT IDENTIFIERS of the form x.0, where x is the name of said object type in the MIB definition.

Format of Definitions

The next section contains the specification of all object types contained in the MIB. Following the conventions of RFC 1065, the object types are defined using the following fields:

OBJECT:

A textual name, termed the OBJECT DESCRIPTOR, for the object type, along with its corresponding OBJECT IDENTIFIER.

Syntax:

The abstract syntax for the object type, presented using ASN.1. This must resolve to an instance of the ASN.1 type Object Syntax defined in the SMI.

Definition:

A textual description of the semantics of the object type. Implementations should ensure that their interpretation of the object type fulfills this definition since this MIB is intended for use in multi-vendor environments. As such it is vital that object types have consistent meaning across all machines.

Access:

A keyword, one of read-only, read-write, write-only, or not-accessible. Note that this designation specifies the minimum level of support required. As a local matter, implementations may support other access types (e.g., an implementation may elect to permitting writing a variable marked herein as read-only). Further, protocol-specific "views" (e.g., those implied by an SNMP community) may make further restrictions on access to a variable.

Status:

A keyword, one of mandatory, optional, obsolete, or deprecated. Use of deprecated implies mandatory status.

Object Definitions

```
SYNOPTICS-MIB          { iso org(3) dod(6) internet(1) private(4) enterprises(1) 45 }
```

```
DEFINITIONS ::= BEGIN
```

```
IMPORTS
```

```
    enterprises, OBJECT-TYPE, NetworkAddress, IpAddress, Counter, Gauge, TimeTicks  
    FROM RFC1065-SMI;
```

```
synoptics          OBJECT IDENTIFIER ::= { enterprises 45 }
products           OBJECT IDENTIFIER ::= { synoptics 1 }
series3000         OBJECT IDENTIFIER ::= { products 3 }

END
```