

MGBIC-LC03 Reference Sheet

Introduction

The MGBIC-LC03 is a multimode fiber-optic interface device, which can be installed into an Enterasys Networks device that supports small form pluggable (SFP) Mini-GBICs.



Note: Check the documentation of your host device to determine if it supports the MGBIC-LC03.

At the time this document was released, the MGBIC-LC03 was supported by the following series of products:

- Matrix N3, N7, E7, and DFE Series switch modules.
For MGBIC-LC03 recognition via firmware in the DFE Series modules, that firmware must be version 1.07.19 or higher.
- Matrix V-Series switch devices.
For MGBIC-LC03 recognition via firmware in the V-Series devices, that firmware must be version 2.2.0.16 or higher.
- Matrix E1 Series switch devices.

Features/Specifications

Refer to the table below for the MGBIC-LC03 features and optical specifications.

| Features | Optical Specifications | |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------|
| Supports multimode fiber-optic cable segments up to 2 km ¹ | Cable Type | 50/125 or 62.5/125 μ m MMF |
| | Maximum Input Power | -3 dBm |
| 1310 nm wavelength | Transmit Power | -9.5 dBm, minimum -3 dBm, maximum |
| LC duplex style fiber-optic connector | Receive Sensitivity | -20 dBm, minimum -3 dBm, maximum |
| Multimode only | Link Power Budget | 10.5 dB, minimum |
| | These specifications meet or exceed IEEE 802.3z 1000BASE-FX requirements. | |

1. The maximum drive distance (up to 2 km) depends on the quality of the installed multimode fiber-optic cable segment. Use the Link Power Budget to calculate the maximum cable length of the attached segment. The Link Power Budget must not exceed those specified in this table. The MGBIC-LC03 input power must not exceed -3 dBm. Otherwise, saturation could occur.

Installation

To install the MGBIC-LC03, refer to the installation instructions for optional Gigabit Ethernet interface modules described in the user's guide for the host device.

Regulatory Compliance

This equipment meets the following safety and electromagnetic compatibility (EMC) requirements:

| | |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Safety: | UL 60950, CSA C22.2 No. 60950, 73/23/EEC, EN 60950, IEC 60950, EN 60825, 2 CFR 1040.10 |
| Electromagnetic Compatibility (EMC): | 47 CFR Parts 2 and 15, CSA C108.8, 89/336/EEC, EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024, AS/NZS CISPR 22, VCCI V-3 |

Getting Help

For additional support related to the module or this document, contact Enterasys Networks using one of the following methods:

| | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| World Wide Web | http://www.enterasys.com |
| Phone | 603-332-9400 1-800-872-8440 (toll-free in U.S. and Canada) For the Enterasys Networks Support toll-free number in your country: http://www.enterasys.com/support/gtac-all.html |
| Internet mail | support@enterasys.com |

To send comments or suggestions concerning this document to the Technical Writing Department:

techwriting@enterasys.com

To expedite your message, please type **[techwriting]** in the subject line, and include the document Part Number in the email message.

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