



MIM-2000F

Installation Instructions

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Product Documentation Online

Complete documentation for Paradyne products is available at www.paradyne.com. Select *Support* → *Technical Manuals*.

To order a paper copy of a Paradyne document, or to speak with a sales representative, please call 1-727-530-2000.

Unpacking and Inspecting the Equipment

⚠ HANDLING PRECAUTIONS FOR STATIC-SENSITIVE DEVICES



This product is designed to protect sensitive components from damage due to electrostatic discharge (ESD) during normal operation. When performing installation procedures, however, take proper static control precautions to prevent damage to equipment. If you are not sure of the proper static control precautions, contact your nearest sales or service representative.

If there is any visible damage, do not attempt to install the MIM-2000F; contact your sales representative.

Installing the MIM-2000F

The MIM-2000F Micro Interface Module provides additional uplink ports for the BSX8000-5 Broadband Services Switch or 4929 DSLAM.



All MIMs are hot-swappable, although removal of a MIM disengages the upstream network connection for the DSLAM.

To install the MIM-2000F:

► Procedure

1. Using a flat-blade screwdriver to loosen the fastening screws, remove the cover plate from the MIM port on the front of your BSX8000 or 4929 DSLAM.

CAUTION: The cover plate should be stored for possible future use. If the MIM is removed from your BSX8000 or DSLAM, it must be replaced with either another MIM or a cover plate. Do not operate a BSX8000 or DSLAM with an open MIM port.

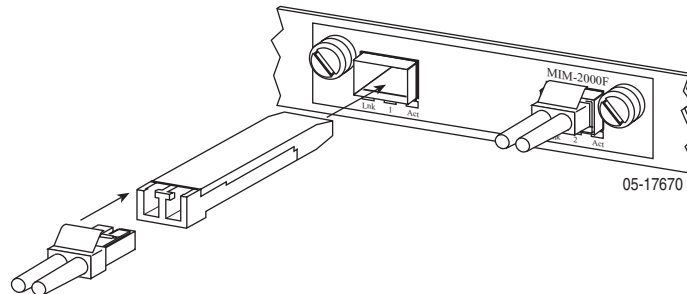
2. Align the MIM-2000F with the module guides inside the MIM port.

3. Slide the MIM-2000F firmly into place. Do not use excessive force.
4. Secure the MIM-2000F by tightening the fastening screws on the MIM faceplate with a flat-blade screwdriver.

Installing and Cabling SFP Transceivers

Both SFP copper and fiber optic transceivers may be installed in the MIM-2000F. The following SFP fiber optic transceivers are available:

- SFP-MMF – GigE SFP Multimode Fiber Optic Transceiver, Short Reach
- SFP-SMF10 – GigE SFP Single Mode Fiber Optic Transceiver, 10Km Reach
- SFP-SMF40 – GigE SFP Single Mode Fiber Optic Transceiver, 40Km Reach
- SFP-SMF80 – GigE SFP Single Mode Fiber Optic Transceiver, 80Km Reach



To install SFP transceivers in the MIM-2000F:

► Procedure

1. Insert an SFP transceiver into an SFP socket on the MIM-2000F.
2. Insert the LC connector of your fiber optic cable into the SFP transceiver.
3. Observing the minimum bend radius for your cable, fasten it in such a way that it will not be kinked or snagged in the course of other cabling. If you do not know the specifications for your cable, maintain a radius of at least ten times the cable diameter.
4. Repeat for all the sockets you intend to use.

Managing the MIM-2000F

The configuration and monitoring of the integrated switch on the MIM-2000F is performed through the management screens of the BSX8000 or 4929 DSLAM that hosts this module. See the *BSX8000-5 Installation Instructions* or *4929 DSLAM Installation Guide* and the *NMS User's Guide*.

LED Indicators

Each port is associated with two LEDs: Lnk (Link) and Act (Active):

Table 1. Front Panel LEDs

| LED | State | Indication |
|--------------|-----------------|-------------------------------------|
| Lnk (Link) | Solid green | Connection is established |
| | No illumination | Connection is not established |
| Act (Active) | No illumination | No data activity on the circuit |
| | Flashing amber | Data is flowing through the circuit |

Regulatory Notices

UNITED STATES – EMI NOTICE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The authority to operate this equipment is conditioned by the requirements that no modifications will be made to the equipment unless the changes or modifications are expressly approved by Paradyne Corporation.

CANADA – EMI NOTICE:

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

EUROPEAN REGULATORY COMPLIANCE

The following regulatory compliance information applies to the MIM-2000F as installed in the 4929 DSLAM or BSX8000-5 Broadband Services Switch:

This Class A product complies with European Norm EN55022.

Warning: In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures to correct the situation.

Warranty, Sales, Service, and Training Information

Contact your local sales representative, service representative, or distributor directly for any help needed. For additional information concerning warranty, sales, service, repair, installation, documentation, training, distributor locations, or Paradyne worldwide office locations, use one of the following methods:

- **Internet:** Visit the Paradyne World Wide Web site at www.paradyne.com. (Be sure to register your warranty at www.paradyne.com/warranty.)
- **Telephone:** Call our automated system to receive current information by fax or to speak with a company representative.
 - Within the U.S.A., call 1-800-870-2221
 - Outside the U.S.A., call 1-727-530-2340



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