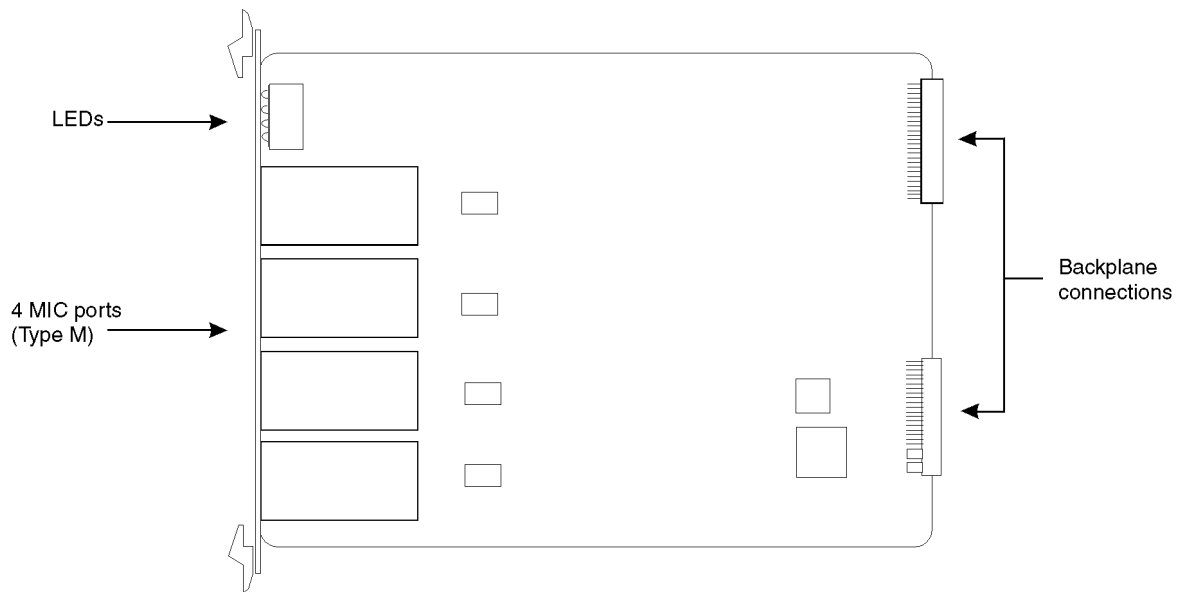


# THE FDDI 4 PORT FIBER MODULE 3C18300 USER GUIDE



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## The FDDI 4 Port Fiber Module

When fitted as part of a group of FDDI modules that includes an FDDI RingBuilder Module, this module provides an additional 4 fiber ports or connection to fiber FDDI segments.

The FDDI 4 Port Fiber Module can be used with the following Smart Modules:

- 3C18310 MSH FDDI RingBuilder Module
- 3C18301 MSH FDDI 6 Port UTP Module
- 3C18640 MSH LinkSwitch
- 3C18645 MSH LinkSwitch Expansion Module

Your supplier will know of any other modules not listed here.

All MSH FDDI port modules must be installed to the immediate left of an FDDI RingBuilder as part of a contiguous group of FDDI modules. There may be more than one group of FDDI modules as long as each group contains an FDDI RingBuilder. Other types of MSH module cannot be placed between FDDI modules intended to be part of the same FDDI ring. If a LinkSwitch module is installed it must be to the right of the FDDI RingBuilder.

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## Technical Information

### Mechanical

Weight	440 g (1.0 lb)	
Size	223.3 x 152.2 mm (8.8 x 6 in)	

### Electrical

Power Consumption	+12V supply	0.1A
	+5V supply	3.5A

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## Installing the Module

A fuller version of this procedure, including diagrams, can be found in the *LinkBuilder MSH11 Chassis User Guide*.

- 1 Select a free slot in which to install the module. This slot must be either to the immediate left of an FDDI RingBuilder, or to the immediate left of another FDDI port module or group of FDDI port modules already connected to an FDDI RingBuilder.
- 2 Remove the locking bar from the front of the MSH chassis.
- 3 Remove blanking panels as necessary to expose the selected slot.
- 4 Remove the FDDI 4 Port Fiber Module from its packaging.
- 5 Open the ejector latches at the top and bottom of the module.
- 6 Insert the module into the selected slot and press home. Once the ejectors engage with the top and bottom of the slot, close the ejectors until they lock.
- 7 Replace blanking panels as necessary. No slots should be left open on the chassis on completion.
- 8 Replace the locking bar on the front of the MSH chassis.

## Connecting Cables

Connect cables as required. When connecting cables ensure that the module is powered up and operating normally, and that the remote end of cables are connected to powered up and operational equipment. MIC cables should be pushed fully home, until a click is heard. Do not use excessive force or you may damage the connectors or optical terminations.

If cables have been connected correctly the SDn LED for the port should light. (See the table over for further details of module LEDs.) If the LED does not light, refer to the Fault Diagnosis section.

MIC connectors that are not in use should have their protective covers fitted to prevent dust from fouling the surfaces of the optical terminations which could reduce their efficiency and may introduce errors into your network.

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## Configuring the Module

There are no links or jumpers on the card that require configuration. The functions of the FDDI 4 Port Fiber Module are completely controlled by the FDDI RingBuilder to which it is connected.

All ports on the module are configured as M type FDDI ports and are designed to be connected to S type FDDI ports.

For further details on configuring and managing FDDI modules see the *LinkBuilder MSH FDDI Concentrator User Guide* (part number DUA1831-0AAA0x).

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## Fault Diagnosis

If you suspect a problem:

- Check the status of the LEDs on the front panel of the module, as described overleaf. Carry out a lamp test to check that all LEDs are functioning.
- Check the PWR LED on the related FDDI RingBuilder. If it is red, a fault has occurred during power up self-test or in operation.
- Check the configuration of the module.
- Check that the module is correctly configured in a group of FDDI port modules with an FDDI RingBuilder on the extreme right of the port modules.
- Check all connections, including the remote ends of connections. MIC connectors should be pushed home so that the latch on the plug has fully engaged with the socket.

If you cannot rectify the fault, contact your supplier, giving the following information:

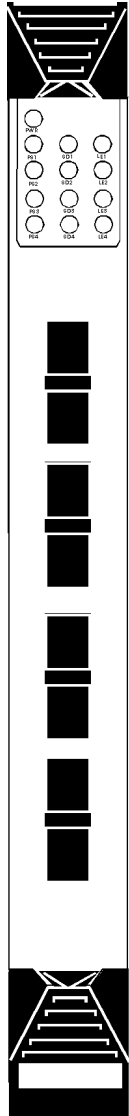
- The module serial number (marked on the bottom module ejector).
- The revision number (marked on the module board).
- A brief description of the fault.

Your supplier will advise you on your next course of action.

## Using The LEDs For Fault Diagnosis

The LEDs on the front of the FDDI 4 Port Fiber Module provide simple at-a-glance fault diagnosis, as shown in Table 1.

**Table 1** LED Meanings



PWR	Red/Green flashing	Lamp test
	Green on	Module is connected into a ring and operational.
	Green flashing	Module has not been connected into a ring.
	Red on	A fault has been detected on the module.
PSn (Port Status)	Green on	Port n has an active connection and is incorporated into the ring.
	Green flashing	Port n has a standby connection and is waiting to join the ring.
	Off	Port n is either disabled, or in the process of connecting.
SDn (Signal Detect)	Green on	Signal detected on port n. Light is present on the cable.
	Off	No signal detected on port n.
LEn (Link Error)	Yellow on	The link error rate on port n is above its error threshold. This indicates a faulty connection.
	Off	Normal operation

For information on how to test the LEDs, refer to the *LinkBuidler MSH/11 User Guide*. During a lamp test all single color LEDs are lit continuously and all bi-color LEDs flash red/green alternately.