

## Serial I/O LIMs for ATM, Frame Relay & Circuit Emulation Applications

### Introduction

The operational capabilities of an Xedge switch is determined in part by the slot controller in use and the number and type of associated line interface modules (LIMs). The Xedge Serial I/O LIM is used for ATM cell switching, frame relay/transport, and circuit emulation over two or four physical ports, all at speeds from 2.4 Kbps to 8 Mbps.

Two models of Serial I/O LIMs are available for use with Xedge slot controller(s) in the Xedge switch:

- The Xedge SI-2C LIM provides two serial I/O ports.
- The Xedge SI-4C LIM provides four serial I/O ports.

Both versions of the Serial I/O LIM are intended for use with Xedge PCX, PCE, CE, FRC, or ACP controllers.

Application	Controller	LIM	Ports
ATM Cell Switching	ACP or PCX	SI-2C/4C	Up to 8
Frame Relay/Transport	FRC (Frame to ATM)	SI-2C/4C	Up to 4
Clear Chan Circuit Emulation	CE or PCE	SI-2C/4C	Up to 4

### Specifications

All physical and operational specifications apply to both Serial I/O LIMs.

- Interface Standards: EIA-530, EIA-449, ITU-T X.21, ITU-T V.35
- Timing: Receive Timing from selected port.
- Connector Type: 26-pin high density connectors

### LIM Features

- Dual or Quad port Serial I/O interface
- Speeds from 2.4 Kbps to 8 Mbps
- Configurable to DTE and DCE modes of operation
- EIA-530, RS-449, X.21 V.35 options
- Receive Timing from selected port

### Diagnostics & Alarms

#### Loopbacks

The Serial I/O LIMs support Digital, Line and Link Loopbacks.

#### Status Indications

- IS (In Service)
- LB (Digital, Line or Link Loopback)

#### Alarms & Performance

The Serial I/O LIMs support Loss Of Signal (LOS).

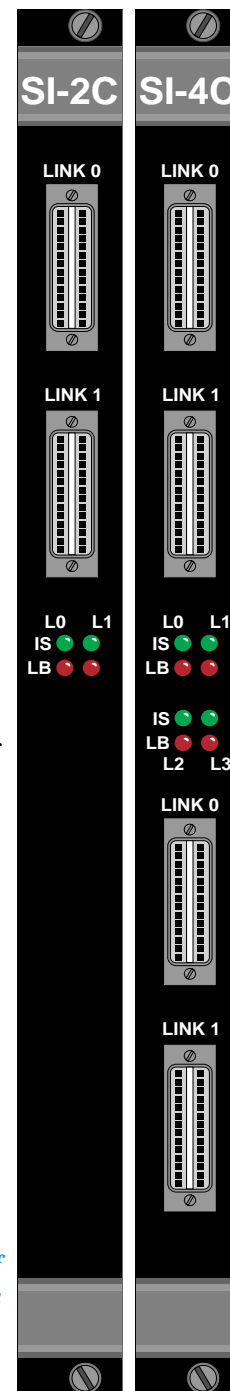


Figure 1: Front Panel Features of Xedge SI-2C or SI-4C LIMs

