Xedge Serial I/O LIMs

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Controller</th>
<th>LIM</th>
<th>Ports</th>
</tr>
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<tbody>
<tr>
<td>ATM Cell Switching</td>
<td>ACP or PCX</td>
<td>SI-2C/4C</td>
<td>Up to 4</td>
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<tr>
<td>Frame Relay/Transport</td>
<td>FRC (Frame to ATM)</td>
<td>SI-2C/4C</td>
<td>Up to 4</td>
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<tr>
<td>Clear Channel Circuit Emulation</td>
<td>CE or PCE</td>
<td>SI-2C/4C</td>
<td>Up to 4</td>
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</table>

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).

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

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

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