**Xedge 6002 Chassis**

**Compact and Versatile Xedge Chassis for Packet-Based Applications**

The Xedge 6002 is a modular, compact 1RU (1.75” high) chassis ideal for central offices, remote offices, and cell sites. Chassis midplane provides two slots for one or two packet-based Xedge slot controllers that install easily via the front panel:

- Xedge PCX/PCX2 (Xedge Packet Cell Switch) module
- Xedge PCE (Packet Circuit Emulation) module
- Xedge PCL (Packet Cell Link) module
- Xedge ISG2 (IP Services Gateway) module

The ISG2 can also be deployed with one other compatible Xedge controller to support voice functionality, LCE-16 LIMs, or ATM transport.

**Features & Benefits**

- Compact, modular 1RU chassis installs in an open or standard 19-inch rack or cabinet, either flush-mount or midmount.
- Accommodates one double-width or two single-width slot controllers for multiservice packet applications.
- When deployed with ISG2, supports one Xedge CE (Circuit Emulation) module, Xedge Voice Service (VSM) module or Xedge ATM controller modules (ACP) and associated LIMs.
- Modules can be installed or extracted without powering down the shelf (hot-swappable).
- Uses one auto-ranging power supply that adapts to AC power inputs ranging from 90 to 264 VAC.
- Rear panel slots accommodate one or two Xedge LIMs associated with the installed slot controller (PCE, PCL, PCX/PCX2, VSM, ACP, CE, etc).
- Supports environmental status and alarms control.
- Provide a signal and chassis ground connection point.
- Front panel modular craft port support capable devices.

**Reliable and Versatile**

The Xedge 6002 is a low density, rack-mountable chassis designed for the space limitations of remote cabinets or Central Offices. The shelf is equipped with an integrated 100 to 240 VAC power supply which employs universal AC input. The midplane connector supports several types of LIM Personality modules (LPMs) that allow capable slot controllers to support various LIM-type combinations.
Xedge 6002 Chassis

Xedge 6002 Physical Specifications

**Dimensions**
- Height: 1.74 in (44.09 mm)
- Width: 19 in. (482.60 mm)
- Depth: 19 in. (482.60 mm)

**Module Capacity**
- Two front slots accept up to two single-width Xedge slot controllers, or one double-width slot controller with 1 or two compatible LIMs.
  - Single-width slot controller modules: ISG2, VSM, CE, ACP
  - Dual-width slot controller modules: PCX/PCX2, PCE, PCL
- Factory-installed Link Personality Modules (LPMs): LPM-1, LPM-2, LMP-3, LPM-4, LPM-5, LPM-6, LPM-CE

**Module/LIM Applications**
- The Slot Controller/LPM/LIM Bundle installed at the factory supports a variety of LIM applications:
  - LPM-1: Uses two Utopia LIMs
  - LPM-2: Uses one Utopia LIM (LIM1) and one SERDES LIM (LIM2)
  - LPM-3: Uses one Serial LIM (LIM1) and one SERDES LIM (LIM2)
  - LPM-4: Uses two SERDES LIMs
  - LPM-5: Uses two Serial LIMs
  - LPM-6: Uses one Serial LIM (LIM1) and one Utopia LIM (LIM2)
  - LPM-CE: Uses two selected Serial LIMs (with PCE only)

<table>
<thead>
<tr>
<th>Serial LIMs</th>
<th>Utopia LIMs</th>
<th>SERDES LIMs</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS1-2CS</td>
<td>DSX1-IMA</td>
<td>OC-N/STM-N</td>
</tr>
<tr>
<td>DS1-4CS</td>
<td>E1-IMA</td>
<td>AVM (Voice)</td>
</tr>
<tr>
<td>DS3-2C</td>
<td>155M-2</td>
<td>T1/E1 MP16</td>
</tr>
<tr>
<td>E1-2CS</td>
<td>155i-2</td>
<td>T1/E1 HDCC</td>
</tr>
<tr>
<td>E1-4CS</td>
<td>155L-2</td>
<td></td>
</tr>
<tr>
<td>E3-2C</td>
<td>155M-APS</td>
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</tr>
<tr>
<td>LCE-16</td>
<td>155I-APS</td>
<td></td>
</tr>
<tr>
<td>ASIO</td>
<td>155L-APS</td>
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</tr>
<tr>
<td>ASIO-HSSI (DCE)</td>
<td>155E-2</td>
<td></td>
</tr>
</tbody>
</table>

**Environmental Specifications**

**Non-Operating**
- Temperature: -40 deg. to 158 deg. F (-40 deg. to 70 deg. C)
- Altitude: 0 ft. to +40,000 ft. (0 m to +12191 m)

**Operating**
- 32 deg. to 122 deg. F (0 deg. to 50 deg. C)
- Relative Humidity: 5% - 95% non-condensing
- Altitude: 0 ft. to +10,000 ft. (0 m to +3048 m)

**Power Specifications**

**Power Supply**
- Capacity: One AC Power Module
- Supported slots: 2
- Power Requirements:
  - 100/120VAC, 50/60 Hz
  - 220/240VAC, 50/60 Hz
- Fusing: 1.6A Fast Blow, 250V
- Maximum Power Consumption: 150

**Compliance & Compatibility**
- CISPR 22 Class A, FCC 15 Class A, EN55022, EN55024
- UL Listed (60950)
- c-UL Listed (CSA C22.2 #950)
- TUV licensed (EN60950)
- CE Mark

Port Capacity

All Xedge chassis types can support a variety of controller/LIM combinations. The following matrix provides a simplified indication of each chassis' maximum port capacity by interface type, assuming PCE/ASIO, PCE/DS3-2C, PCX-2/T1/E1 MP16, and PCX-2/LCE-16.

<table>
<thead>
<tr>
<th>Chassis Type</th>
<th>Redundant Power</th>
<th>Redundant SW Fabric</th>
<th>Redundant Slot-0</th>
<th>Maximum DS1 Ports</th>
<th>Maximum DS3 Ports</th>
<th>Maximum Serial Ports</th>
<th>Maximum Subrate Ports</th>
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<tbody>
<tr>
<td>Xedge 6002</td>
<td>NO</td>
<td>N/A</td>
<td>N/A</td>
<td>32</td>
<td>2</td>
<td>8</td>
<td>32</td>
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<tr>
<td>Xedge 6160</td>
<td>2 AC or 2 DC</td>
<td>1</td>
<td>NO</td>
<td>64</td>
<td>4</td>
<td>16</td>
<td>16</td>
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<tr>
<td>Xedge 6280</td>
<td>4 AC or 4 DC</td>
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<td>96</td>
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<td>24</td>
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<td>224</td>
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<td>56</td>
<td>224</td>
</tr>
</tbody>
</table>

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