**Dialogic® SS7 Boards**

Dialogic® SS7 boards are designed to address the needs of telecommunications equipment manufacturers, systems integrators, and service providers deploying solutions worldwide.

The SS7 boards together with Dialogic® SS7 protocol APIs enable cost-sensitive, high-performance, distributed, cross-platform, cross-operating-system signaling applications. The components provide the flexibility to choose whether to run signaling protocols on a board, a Dialogic® signaling server, or on the application server.

The SS7 boards are grouped into two types: SS7HD and SS7SPCI.

- **SS7HD (SS7HDP, SS7HDE, and SS7HDC)** — High-density, high-throughput boards in either PCI, PCIe, or Compact PCI format. These boards offer either Channelized or HSL Q703 operation over T1/E1 links plus CT Bus, clear channel operation, and HiZ monitoring.

- **SS7SPCI** — Lower-density, lower-throughput boards, which offer Channelized links over E1/T1 or V11 ports and monitoring.

### Technical Specifications of Dialogic® SS7 Boards

<table>
<thead>
<tr>
<th>Feature</th>
<th>SS7HDP/SS7HDE</th>
<th>SS7HDC</th>
<th>SS7SPCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Models</td>
<td>SS7HDPD4TEW, SS7HDED4TEQ</td>
<td>SS7HDCQ16W, SS7HDCD16W, SS7HDCN16W</td>
<td>SS7SPCI4Q, SS7SPCI2Q</td>
</tr>
<tr>
<td>Format</td>
<td>PCI, PCIe</td>
<td>CompactPCI PICMG 2.0 R3.0</td>
<td>PCI</td>
</tr>
<tr>
<td>Interfaces</td>
<td>4 E1/T1</td>
<td>16 E1/T1 (SS7HDCQ16W, SS7HDCD16W, SS7HDCN16W), 8 E1/T1 (SS7HDCS8W)</td>
<td>4 E1/T1 (SS7SPCI4), 2 E1/T1 + 2 V11 (SS7SPCI2)</td>
</tr>
<tr>
<td>SS7 Channelized links (64/56Kbps)</td>
<td>64</td>
<td>128 (SS7HDCQ16W), 64 (SS7HDCD16W), 32 (SS7HDCS8W), clear channel only (SS7HDCN16W)</td>
<td>4</td>
</tr>
<tr>
<td>HSL Q703</td>
<td>2</td>
<td>4 (SS7HDCQ16W), 2 (SS7HDCD16W), 1 (SS7HDCS8W)</td>
<td>N/A</td>
</tr>
<tr>
<td>Monitoring</td>
<td>HiZ</td>
<td>HiZ</td>
<td>Yes</td>
</tr>
<tr>
<td>Available onboard protocols</td>
<td>MTP2, MTP3, ISUP, TUP, SCCP, TCAP, MAP, IS41, INAP, CAMEL</td>
<td>MTP2, MTP3, ISUP, TUP, SCCP, TCAP, MAP, IS41, INAP, CAMEL</td>
<td>MTP2, MTP3, ISUP, TUP</td>
</tr>
<tr>
<td>TDM bus</td>
<td>H.100 CT Bus</td>
<td>H.110 CT Bus compliant with PICMG 2.5 R1.0 CompactPCI</td>
<td>H.100 CT Bus</td>
</tr>
<tr>
<td>Performance</td>
<td>24,000+ MSU/second</td>
<td>24,000+ MSU/second</td>
<td>500+ MSU/second</td>
</tr>
<tr>
<td>Operating system support</td>
<td>Linux, Solaris, Windows®</td>
<td>Linux, Solaris, Windows</td>
<td>Linux, Solaris, Windows</td>
</tr>
</tbody>
</table>

*Note: For details about how performance was measured, contact Dialogic.*
Technological Specifications (continued)

Safety and EMC

International
- CB Certificate to IEC 60950-1, EN60950-1
  - EN 300-386, EN55022, EN 55024, CISPR 22

United States
- UL 60950-1 (UL File Number E219415)
- FCC Part 15 Class A

Canada
- CAN/CSA-C22.2 No 60950-1
- ICES-003

Telecommunications

International
- TBR12, TBR13, G.703, G.704, EN 300 248

United States
- TIA-968, TIA-968-A

Canada
- CS-03

Approvals, Compliance, and Warranty

Hazardous substances
- RoHS compliance information at http://www.dialogic.com/rohs

Country-specific approvals
- See the global product approvals database at http://www.dialogic.com/declarations

Warranty
- See warranty information at http://www.dialogic.com/warranties

To learn more about Dialogic® products, go to www.dialogic.com

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