Presentation Outline

- Transceivers with MPO Interfaces
- Multi-Source Agreement (MSA)
- Connector Performance
- Connector Availability & Support
- Field Installable Availability
- Summary
<table>
<thead>
<tr>
<th>Companies Offering Parallel Optics Transceivers with an MPO/MTP Interface:</th>
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<tbody>
<tr>
<td>Agilent</td>
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<tr>
<td>Alvesta</td>
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<tr>
<td>IBM</td>
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<tr>
<td>Mitel</td>
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<td>Peracer</td>
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<td>Picolight</td>
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<td>Emcore</td>
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<td>Optobahn</td>
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<td>E₂O</td>
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<td>W.L. Gore</td>
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Multi-Source Agreement (MSA)

Agilent and Mitel announced a Common Standard for a 4-channel TxRx 10 Gbaud transceiver package.

The MTP/MPO has been selected as the connector interface.
Availability

- MTP/MPO assemblies are available through multiple sources in North America, Europe, and Asia:
  - 3M
  - Corning Cable Systems
  - Molex
  - Fujikura
  - Sumitomo
  - At least twenty other sources of MTP assemblies
- Connector license is available from NTT.
- SMC connector parts are not available to the open market.
Associated MPO/MTP Standards and Forums

- Optical Internetworking Forum (OIF)
  - a) 4+4 10 Gbaud Interface
  - b) 12 channel solution
- Infiniband adopted the MTP as the multi-fiber connector for 4 to 12-channel solutions.
- IEC 1754-7 2-12F MPO Intermate Specification
- JIS 2-12 F MT, MPO Intermate Specification
- HIPPI 6400 Proposal specs MPO
- TIA/EIA FOCIS-5 604-5 Type MPO published.
### MTP® Attenuation Characteristics (dB)

<table>
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<tr>
<th></th>
<th>Typical</th>
<th>Max</th>
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<tbody>
<tr>
<td>Multimode</td>
<td>0.20</td>
<td>0.60</td>
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<tr>
<td>Single-mode (APC)</td>
<td>0.25</td>
<td>0.75</td>
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<tr>
<td>MTP Elite Single-mode</td>
<td>0.10</td>
<td>0.35</td>
</tr>
</tbody>
</table>
MTP®/MPO Support

- MTP backplane adapter systems are available from multiple vendors.
- US Conec will have a full line of EMI shielded adapters available in Q2, 2001.
MTMTP / MPO Support

- MT/MTP installation processes and tools are fully supported by multiple sources.
- Easy to install; complete training available.
- Multiple vendors are offering MPO specific factory and field inspection scopes.
Field Installable MTP®

• Available in June 2001.
• At least two companies are working on field installable MTP.
Questions?
Motion

- US Conec proposes that the MPO be included in the 10 GFC Document as a baseline proposal for parallel optics transceivers.