Agenda

- JDA Group updates
- OAM Spec v1.0 release candidate
- UBB
- OAM Reference system Enablement
- Next Steps
JDA Group Update

• Group members
• UBB Spec lockdown meeting in Beijing
• JDA Addendum
OAM Spec v1.0 Candidate Release by 7/26

- Pin list
- Pin Map
- OAM specification
  - Insertion loss
  - Add 8-port Interconnect Topology
  - Change port R to port 7
Add 8-link HCM Topology to spec
Other Changes

- Restrict OAM Vref range to 1.5V-3.3V
- Add baseboard design recommendation information to pin list

<table>
<thead>
<tr>
<th>OCP Signal name</th>
<th>Mezz Module Direction POV</th>
<th>OCP Signal Description</th>
<th>Voltage</th>
<th>OAM Baseboard implementation Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODULE_ID[4:0]</td>
<td>Input</td>
<td>Module node identifier (e.g. Module #0, #1,...#n). Module has weak PU to drive to 1 by default.</td>
<td></td>
<td>Required. Tied to GND through 1K resistor on baseboard for logic 0, leave open for logic 1</td>
</tr>
<tr>
<td>LINK_CONFIG[4:0]</td>
<td>Input</td>
<td>Mezz Module Host Interface/SerDes Link Configuration and topology. See link config table for details. Module has weak PU to Vref to drive high by default.</td>
<td></td>
<td>Required. Tied to GND through 1K resistor on baseboard for logic 0, leave open for logic 1</td>
</tr>
</tbody>
</table>
OAM Universal Baseboard(UBB)
UBB Board Placement

Dimensions:
- 112.5mm (4.43")
- 90.4mm (3.56")
- 25mm (0.984")
- 417mm (16.42")
- 585mm (23.03")

OAM1, OAM2, OAM3, OAM4, OAM5, OAM6, OAM7

Connections:
- QSFP-DD
- Micro USB*2
OAM Reference Systems
Reference Systems Design Proposal 1 by Inspur

21” Rack, air cool, front I/O, 4*AICs
Reference Systems Design Proposal 2, by HyveDesignSolution

19’’ Rack, air-cool/liquid cool, front I/O, up to 12*AICs, flexible host
Reference Systems Design Proposal 3 by ZT systems and Inventec

19” Rack, air cool/liquid cool, front/rear I/O, 4/8 AICs, flexible host
Habana OAM and OAM based system
Next Steps

• OAM test vehicle enablement
  • Provide reference systems to OAM suppliers for validation
  • Provide OAM samples to system providers for validation

• Lockdown UBB design spec

• Amsterdam OAI experience lab