MSP8050 MODULAR SERVER SERIES

MSP8050 POWERFUL TRANSCODING MODULAR SERVER

- BETTER QUALITY VIDEO AND MORE CONCURRENT STREAMS
- IDEAL FOR TRANSCODING MULTIPLE MEDIA APPLICATIONS ACROSS SEVERAL INDEPENDENT, LOW-POWER, HIGH PERFORMANCE PROCESSORS
- TESTED ON OPENSTACK AND KUBERNETES
The MSP8050 Series of modular servers is a key component for efficient transcoding in the cloud. As the demand for viewing content on smartphones and tablets continues to rise, transcoding is moving to the cloud as a means to offload processing tasks from being performed on the end user device.

Kontron and Intel have designed the optimal solution that addresses energy efficiency challenges, scalability and cost, thus resulting in better user experiences for the end customer. The MSP8050 Series’ main use case is to run multiple media applications including transcoding across multiple independent low-power, high-performance processors.

**TECHNICAL INFORMATION**

<table>
<thead>
<tr>
<th>Processor</th>
<th>Dual Xeon E3-1578L v5 4C/8T 4+4e HT 45W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chipset</td>
<td>Intel C236 PCH per processor</td>
</tr>
<tr>
<td>Memory</td>
<td>2 DIMM sockets  2 channels</td>
</tr>
<tr>
<td></td>
<td>32GB DDR4 ECC VLP SDRAM</td>
</tr>
<tr>
<td>I/O</td>
<td>2x Gbps Ethernet (Control plane)(i210-IS)</td>
</tr>
<tr>
<td></td>
<td>4x 10 Gigabit Ethernet Fabric Interface (Data Plane) (2 per CPU) (82599ES)</td>
</tr>
<tr>
<td>Storage</td>
<td>One M.2 SSD up to 480GB per CPU</td>
</tr>
<tr>
<td>System Management</td>
<td>Supports IPMI Specification 2.0 Include</td>
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<tr>
<td></td>
<td>• Monitor critical components</td>
</tr>
<tr>
<td></td>
<td>• Remote control capability</td>
</tr>
<tr>
<td></td>
<td>• Firmware update</td>
</tr>
<tr>
<td>Server Management</td>
<td>IPMI v2.0, Extensive sensors monitoring and event generation on thresholds. IPMI over LAN</td>
</tr>
</tbody>
</table>

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**MAXIMIZE RACK SPACE**

**SCALE CLUSTERS/RACKS**

**EFFICIENTLY SAVE ENERGY**

**COSTS ON IT/INFRASTRUCTURE**

**SIMPLIFY PLATFORM MANAGEMENT**

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