Tachyum Prodigy® Family SKU Summary

Tachyum’s Prodigy is the first Universal Processor combining General Purpose Computing, High Performance Computing (HPC), Artificial Intelligence, Deep Machine Learning, Explainable AI, Bio AI, and other AI disciplines within a single chip. It allows for a simple programming model and environment based on a coherent multiprocessor architecture.

The Prodigy Family encompasses multiple product SKUs that address a wide array of workloads, providing the same high performance and efficiency for applications that range from exascale supercomputers to Big AI, hyperscale data centers, and edge servers. The below table summarizes the Prodigy Family SKUs and features.

<table>
<thead>
<tr>
<th>Workload Characteristics</th>
<th>SKUs</th>
<th>Cores</th>
<th>Frequency (GHz)</th>
<th>DDR5 Controllers</th>
<th>PCIe 5.0 Lanes</th>
<th>TDP (est.)</th>
<th>AI (FP8*)</th>
<th>HPC (DP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPC/AI Top-End</td>
<td>T16192-AIX</td>
<td>192</td>
<td>5.7</td>
<td>16 x 7200+</td>
<td>96</td>
<td>950W</td>
<td>24 PF</td>
<td>90 TF</td>
</tr>
<tr>
<td>HPC/AI Mid-Range</td>
<td>T16192-AIM</td>
<td>192</td>
<td>4.5</td>
<td>16 x 7200+</td>
<td>96</td>
<td>700W</td>
<td>19 PF</td>
<td>74 TF</td>
</tr>
<tr>
<td>HPC/AI Entry-Level</td>
<td>T16192-AIE</td>
<td>192</td>
<td>4.0</td>
<td>16 x 7200+</td>
<td>96</td>
<td>600W</td>
<td>16.8 PF</td>
<td>65.5 TF</td>
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<tr>
<td>Throughput</td>
<td>T16192-HT</td>
<td>192</td>
<td>4.5</td>
<td>16 x 6400</td>
<td>96</td>
<td>300W</td>
<td>4.7 PF</td>
<td>18 TF</td>
</tr>
<tr>
<td>Speed</td>
<td>T896-HS</td>
<td>96</td>
<td>5.7</td>
<td>8 x 6400</td>
<td>48</td>
<td>300W</td>
<td>6 PF</td>
<td>23 TF</td>
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<tr>
<td>Efficiency</td>
<td>T896-HT</td>
<td>96</td>
<td>4.5</td>
<td>8 x 6400</td>
<td>48</td>
<td>300W</td>
<td>2.4 PF</td>
<td>9.2 TF</td>
</tr>
<tr>
<td>Entry Level Speed</td>
<td>T896-HS</td>
<td>48</td>
<td>5.7</td>
<td>8 x 6400</td>
<td>48</td>
<td>300W</td>
<td>3 PF</td>
<td>12 TF</td>
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<tr>
<td>Lowest Power</td>
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<td>3.2</td>
<td>8 x 4800</td>
<td>48</td>
<td>150W</td>
<td>800 TF</td>
<td>3.3 TF</td>
</tr>
</tbody>
</table>

*With SuperSparsity
Prodigy has a rich ecosystem of development tools, operating systems, application software, and software libraries to enable fast, easy development and quick time to market.