Intel Pentium III vs. AMD Athlon

CS 854/551

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# P6 Family of Processors

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<th>Year</th>
<th>Process</th>
<th>ISA Extensions</th>
<th>Products</th>
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<tr>
<td>1995</td>
<td>0.5 um BiCMOS</td>
<td>-</td>
<td>&quot;P6&quot; Pentium Pro</td>
</tr>
<tr>
<td>1995</td>
<td>0.35 um BiCMOS</td>
<td>-</td>
<td>&quot;P6&quot; Pentium Pro</td>
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<tr>
<td>1997</td>
<td>0.35/0.28 um CMOS</td>
<td>MMX</td>
<td>&quot;Klamath&quot; Pentium II</td>
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<tr>
<td>1998</td>
<td>0.25 um CMOS</td>
<td>MMX</td>
<td>&quot;Deschutes&quot; Pentium II / Xeon</td>
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<td></td>
<td></td>
<td></td>
<td>&quot;Covington&quot; Celeron</td>
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<td></td>
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<td>&quot;Mendocino&quot; Celeron</td>
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<tr>
<td>1999</td>
<td>0.25 um CMOS</td>
<td>MMX, KNI/SSE</td>
<td>&quot;Katmai&quot; Pentium III / Xeon</td>
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<tr>
<td>1999</td>
<td>0.18 um CMOS</td>
<td>MMX, KNI/SSE</td>
<td>&quot;Coppermine&quot; Pentium III / Xeon</td>
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The Pentium® III Coppermine

- 28 million transistors
- 106 mm² die area
- IA-32 Architecture