MicroTCA System - OM6040D Compact AMC Platform

» Compact entry-level platform for high-end multi-core processor AMCs
» 42 HP / 5U system dimension
» Supports double-width, full-size AMCs for high power envelope up to 80W
» 1/10 GbE fabric with enterprise-class MCH
» Up to two cost optimized PSUs
» Power switching and fan control integrated in backplane
» 1 x MCH slot + 4 x AMC slots + 2 x PSU slots
The OM6040D is a compact entry-level system concept for high-end processor modules and switches beyond 1Gbit/s and positions MicroTCA at 10 Gbits/s allowing the accommodation of state-of-the-art multi-core CPUs such as Intel QuadCore XEON on Kontrons AM5030, as well as Kontrons 10Gbit switch AM4910. The system supports the 5U MicroTCA form factor (double-width AMCs) with 80 Watts per AMC.

Designed for compute-intensive applications the modular platform is dedicated for applications in the industrial automation, image processing and medical market which benefit from the processing power of a high-performance AMC module like the AM5030 and high-speed fabric of 10GbE on the backplane.

Backplane Architecture

<table>
<thead>
<tr>
<th>Slot 0</th>
<th>Slot 1</th>
<th>Slot 2</th>
<th>Slot 3</th>
<th>Slot 4</th>
<th>Slot 5</th>
<th>Slot 6</th>
<th>Slot 7</th>
<th>Slot 8</th>
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<th>Slot 10</th>
<th>Slot 11</th>
<th>Slot 12</th>
<th>Slot 13</th>
<th>Slot 14</th>
<th>Slot 15</th>
<th>Slot 16</th>
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<th>Slot 18</th>
<th>Slot 19</th>
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<tbody>
<tr>
<td>ETH</td>
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Environmental & Regulatory

-3°C to +65°C (depending on processor version and airflow in the system)
> -40°C to +70°C (storage)
IEC60950-1
EN55022, EN61000-6-3
EN55024, EN61000-6-2
IEC60068-2-78
Directive 2002/96/EC
Directive 2002/95/EC

Ordering Information

<table>
<thead>
<tr>
<th>Chassis</th>
<th>Description</th>
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<tbody>
<tr>
<td>OM6040DR-5U-2x300W (AM4910)</td>
<td>4 Slot double-width, full-size MicroTCA System, 2x300W, MCH (AM4910), 1/10 GbE Switch</td>
</tr>
</tbody>
</table>

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