AI Inference / DeviceEdge

Jetson System
AIE-CN12/AIE-CN22/AIE-CT42

Features
- Support NVIDIA Jetson Module at Jetson Xavier™ NX and NVIDIA® Jetson™ TX2 NX.
- DC 12~24V power input.
- 1 x GbE LAN port and 2 x PSE/PD port
- Built-in M.2 M-key 2242 NVMe 128G SSD and support M.2 E-key 2230 for WiFi/BT Function
- Operating temperature range from -20°C~50°C
- Fanless and compact design

Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>AIE-CN12</th>
<th>AIE-CN22</th>
<th>AIE-CT42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Compatibility</td>
<td>Nvidia Jetson Xavier NX 8G</td>
<td>Nvidia Jetson Xavier NX 16G</td>
<td>Nvidia Jetson TX2 NX</td>
</tr>
<tr>
<td>Storage</td>
<td>16GB eMMC 5.1 Flash</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>1 x HDMI 2.0 With Micro HDMI D Type Connector</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audio</td>
<td>HDMI Integrated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAN</td>
<td>3 x RJ-45 for GbE (2 for PSE PD 802.3 af)</td>
<td></td>
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</tr>
<tr>
<td>USB</td>
<td>2 x USB 3.2 Gen1 Type A 1 x USB Type-C (OTG Only)</td>
<td></td>
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<tr>
<td>I/O Interfaces</td>
<td>5 x GPIO, 1 x UART, 1 x iPC, 1 x CAN Bus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expansion</td>
<td>1 x M.2 M-key 2242 : NVMe 128G SSD (Build-in) 1 x M.2 E-key 2230 : WiFi/BT GPS Function</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MISC. Function</td>
<td>1 x AI Button (iTons) 1 x Power Button 1 x Recovery Button 1 x Reset Button 2 x Antenna (Optional)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Input /Connector</td>
<td>DC-in 12V~24V / 4 Pin DC Jack</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension(Wx Dx H)</td>
<td>132.6 x 88.7 x 63.6mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mounting</td>
<td>VESA Mount / Din Rail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net Weight</td>
<td>970g</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vibration</td>
<td>TBD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shock</td>
<td>TBD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>Operating Temperature: -20°C ~ +50°C Storage Temperature: -40°C ~ +85°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humidity</td>
<td>5 to 90% @ 40°C Related Humidity, Non-condensing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certification</td>
<td>CE/FCC CLASS A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Product Specifications Are Subject To Change Without Prior Notice v1.1*
**Ordering Information**

<table>
<thead>
<tr>
<th>Model name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIE-CN12-1-A1</td>
<td>AIE-CN12 Fanless system with Jetson Xavier NX 8G including DB15 Cable, 128G SSD, -20°C to +50°C</td>
</tr>
<tr>
<td>AIE-CN22-1-A1</td>
<td>AIE-CN22 Fanless system with Jetson Xavier NX 16G including DB15 Cable, 128G SSD, -20°C to +50°C</td>
</tr>
<tr>
<td>AIE-CT42-1-A1</td>
<td>AIE-CT42 Fanless system with Jetson TX2 NX including DB15 Cable, 128G SSD, -20°C to +50°C</td>
</tr>
</tbody>
</table>

**Packing List**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>43-060000-0001</td>
<td>MINI M2 SERIES : AIE-CN12/AIE-CT42 QUICK REFERENCE GUIDE</td>
</tr>
<tr>
<td>43-0Z0000-0000</td>
<td>Safety Manual</td>
</tr>
<tr>
<td>32-010000-0005</td>
<td>US POWER CORD</td>
</tr>
<tr>
<td>32-010000-0006</td>
<td>EU POWER CORD</td>
</tr>
<tr>
<td>53-0F0000-0003</td>
<td>Power Adapter 90<del>264V 60W 12V 5A BLACK -30</del>70°C</td>
</tr>
<tr>
<td>32-050000-0000A</td>
<td>HDMI TYPE-D MALE TO TYPE-A FEMALE CABLE 100mm +/-8mm BLACK</td>
</tr>
<tr>
<td>32-050000-0025</td>
<td>I/O CABLE (UART+I2C+GPIO+CANBUS)</td>
</tr>
<tr>
<td>35-0A0000-0001</td>
<td>Mounting Bracket 118<em>118</em>2.5mm AL5052 Gray</td>
</tr>
</tbody>
</table>

**Accessory (Optional)**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>53-0G8265-0000</td>
<td>Intel AC8265.NGWMG WiFi/Bluetooth Module</td>
</tr>
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