**Features**

- Simultaneously support NVIDIA® Jetson Orin Nano and Orin NX.
- Specifically designed for high performance and low-power develop AI computing.
- Real-time monitoring for status of device through the AIM

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### Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>AIE-KO22 / AIE-KO32</th>
<th>AIE-KN32 / AIE-KN42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Compatibility</td>
<td>Nvidia Jetson ORIN NANO 4G / 8G</td>
<td>Nvidia Jetson ORIN NX 8G / 16G</td>
</tr>
<tr>
<td>Storage</td>
<td>128GB M.2 2242 NVMe PCIe SSD</td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>1 x HDMI Type A</td>
<td></td>
</tr>
<tr>
<td>Audio</td>
<td>LINE IN/OUT, Microphone (optional with daughter board)</td>
<td></td>
</tr>
<tr>
<td>LAN</td>
<td>1 x RJ-45 GbE Ports, 1 x RJ45 2.5GbE Ports</td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>2 x USB 3.2 Gen2 Type A, 1 x USB 2.0 Type-C (OTG only)</td>
<td></td>
</tr>
<tr>
<td>I/O Interfaces</td>
<td>5 x GPIO, 3 x I2C, 1 x UART1, 1 x UART3 (Debug Only), 1 x RS-232, 1 x CAN (Isolation), 1 x RS-422/485, OOB (Optional)</td>
<td></td>
</tr>
<tr>
<td>Expansion</td>
<td>1 x M.2 B-Key 3042/3052 (LTE/5G - USB3) w/ sim holder; cellular function 1 x M.2 E-Key 2230 (PCIe/USB2): WIFI/BT Module 1 x M.2 M-Key (NVMe) 2242: Storage</td>
<td></td>
</tr>
<tr>
<td>MISC. Function</td>
<td>1 x Power / Recovery / Reset Button</td>
<td></td>
</tr>
<tr>
<td>Power Input /Connector</td>
<td>DC-in 12 to 24 VDC / 4-pin DC Jack Power Connector</td>
<td></td>
</tr>
<tr>
<td>Dimension(Wx D x H)</td>
<td>TBD</td>
<td></td>
</tr>
<tr>
<td>Mounting</td>
<td>Wall Mount / Din Rail (Optional)</td>
<td></td>
</tr>
<tr>
<td>Net Weight</td>
<td>TBD</td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>-25°C ~ +70°C</td>
<td></td>
</tr>
<tr>
<td>Humidity</td>
<td>5 to 90% @ 40°C Related Humidity, Non-condensing</td>
<td></td>
</tr>
<tr>
<td>Certification</td>
<td>CE/FCC Class A, IEC 62368</td>
<td></td>
</tr>
</tbody>
</table>

*Preliminary

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### Ordering Information

<table>
<thead>
<tr>
<th>Model name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIE-KO22-1-A1</td>
<td>ORIN NANO 4G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x RJ45 2.5GbE Ports, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C</td>
</tr>
<tr>
<td>AIE-KO32-1-A1</td>
<td>ORIN NANO 8G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x RJ45 2.5GbE Ports, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C</td>
</tr>
<tr>
<td>AIE-KN32-1-A1</td>
<td>ORIN NX 8G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x RJ45 2.5GbE Ports, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C</td>
</tr>
<tr>
<td>AIE-KN42-1-A1</td>
<td>ORIN NX 16G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x RJ45 2.5GbE Ports, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C</td>
</tr>
</tbody>
</table>

### Accessory (Optional)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>55-AAN810-Z000</td>
<td>AN810 DIN RAIL KIT ASSY</td>
</tr>
</tbody>
</table>