### MIC-710A|T

**AI Inference System Based on NVIDIA® Jetson™ TX2 NX**

**Features**
- Compact fanless design
- NVIDIA® Jetson™ TX2 NX embedded
- 2 x embedded LAN port
- Linux OS with board support package (BSP)
- Supports deep learning trained models
- Wide operating temperature range
- Supports 24/7 secure remote monitoring, control, and OTA deployment powered by Allixon

**Specifications**

<table>
<thead>
<tr>
<th>Processor System</th>
<th>Dual-core NVIDIA Denver 2 64-bit CPU and quad-core ARM A57 Complex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volta GPU</td>
<td>NVIDIA Pascal™ Architecture GPU with 256 CUDA cores</td>
</tr>
<tr>
<td>Memory</td>
<td>8 GB 128-bit LPDDR4x DRAM</td>
</tr>
<tr>
<td>Flash</td>
<td>16G eMMC</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Ethernet</th>
<th>RJ-45</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controller</td>
<td>Intel® i210IT</td>
</tr>
<tr>
<td>Speed</td>
<td>2 x Gigabit Ethernet (10/100/1000 Mbps)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>I/O</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Display</td>
<td>HDMI (Max. resolution 3840 x 2160 @ 60Hz)</td>
</tr>
<tr>
<td>USB</td>
<td></td>
</tr>
<tr>
<td>External</td>
<td>1 x USB 2.0</td>
</tr>
<tr>
<td>1 x USB 3.0</td>
<td></td>
</tr>
<tr>
<td>Internal</td>
<td>1 x USB 2.0</td>
</tr>
<tr>
<td>OTG USB (Internal)</td>
<td>1 x Micro USB</td>
</tr>
<tr>
<td>DI/DO</td>
<td>4bit in, 4bit out</td>
</tr>
<tr>
<td>COM</td>
<td>1 x RS-232/RS-422/RS-485</td>
</tr>
</tbody>
</table>

| Expansion         | 1 x MiniPCIe                                             |
| Storage           | M.2 SATA (1 x M.2 2280 (M Key, SATA interface))          |
| SD card           | 1 x Micro SD                                             |

| Power             |                                                          |
| Power supply      | Power adaptor: 19-24V (1.5A-1.18A)                      |
| Power type        | Terminal block 2 Pin                                     |

| Environment       |                                                          |
| Operational temp  | -10 – 60 °C, 14 – 140 °F with 0.7 m/s air flow (Max-P ARM mode) |
| Operating humidity| 95% @ 40 °C; 104 °F (non-condensing)                      |
| Vibration         | 3 G rms @ 5 – 500 Hz, random, 1 h/axis                    |

<table>
<thead>
<tr>
<th>Mechanical Specifications</th>
<th>147 x 118 x 52 mm (5.7 x 4.6 x 2 in)</th>
</tr>
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<tbody>
<tr>
<td>Weight</td>
<td>1.2 kg (3.5 lb)</td>
</tr>
<tr>
<td>Installation</td>
<td>Desktop/DIN RAIL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Linux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certifications</td>
<td>CE/FCC/BSMI/CCC (No RED certification)</td>
</tr>
</tbody>
</table>

All product specifications are subject to change without notice. Last updated: 25-Jul-2022
### Dimensions

Unit: mm

**Front View**
- Power Input
- USB
- HDMI
- LAN
- DI/DO

**Back View**
- SD Card
- COM
- RS-232/RS-422/RS485
- iDoor

**Side View**

<table>
<thead>
<tr>
<th>Ordering Information</th>
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<tbody>
<tr>
<td><strong>Part Number</strong></td>
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<td>MIC-710AIT-00A1</td>
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<table>
<thead>
<tr>
<th>Packing List</th>
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<tbody>
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<table>
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<tr>
<th>Optional</th>
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