GUSTAV NANO
EDGE DEVICE / SKU: RB-NANO

GUSTAV NANO is the world’s smallest AI supercomputer for embedded and edge systems. Powered by an efficient ARM 64 BIT CPU. SSD, a solid state disk and it is mounted internally for installing more applications.

Features

• NVIDIA® Jetson Nano™ SOM
• 4x ARM64 CPU & 128 CUDA
• 4GB / Gigabytes of RAM (shared memory)
• 3 x USB 3.x connectors
• 1x 12 Volts input with Lemo Connector
• 1 x HDMI 2.1 Output
• 1x RJ-45 Ethernet (both gigabit)
• 128 – 2.000 GB SSD (M2)
• Active cooling
• Supercap 200 mF
• Quickflash for all NVIDIA® Jetpack SDK
• W: 130mm H:42.5mm D:99mm
• Optional RS232 | RS485 | CAN-BUS

GB = Gigabytes
# GUSTAV NANO

<table>
<thead>
<tr>
<th>AI Performance</th>
<th>GPU</th>
<th>GPU Max Frequency</th>
<th>CPU</th>
<th>CPU Max Frequency</th>
<th>DL Accelerator</th>
<th>DL Max Frequency</th>
<th>Vision Accelerator</th>
<th>Safety Cluster Engine</th>
<th>Memory</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>472 GFLOPs</td>
<td>128-core NVIDIA Maxwell™ GPU</td>
<td>921MHz</td>
<td>Quad-Core Arm® Cortex®-A57 MPCore processor</td>
<td>1.43GHz</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4 GB 64-bit LPDDR4 25.6GB/s</td>
<td>16GB eMMC 5.1 ****</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Video Encode</th>
<th>Video Decode</th>
<th>CSI Camera</th>
<th>PCIE*</th>
<th>USB*</th>
<th>Networking*</th>
<th>Display</th>
<th>Other IO</th>
<th>Power</th>
<th>Mechanical</th>
</tr>
</thead>
<tbody>
<tr>
<td>1x 4K30 2x1080p60 4x1080p30 4x720p60 9x720p30 (H.265 &amp; H.264)</td>
<td>1x 4K60 2x 4K30 4x 1080p60 8x 1080p30 9x 720p60 (H.265 &amp; H.264)</td>
<td>-</td>
<td>-</td>
<td>3x USB 3.0 (5 Gbps (Hub Version)) 2 x USB 2.0 1 x USB 3.0 (direct connected to the Jetson with not Hub).</td>
<td>1x GbE</td>
<td>HDMI 2.x</td>
<td>GPIOs (internal)</td>
<td>5W-10W</td>
<td>69.6 mm x 45 mm 260-pin SO-DIMM connector</td>
</tr>
</tbody>
</table>

* USB 3.2, MGBE, and PCIe share UPHY Lanes. See the Product Design Guide for supported UPHY configurations.

**** The Jetson Nano and Jetson Xavier NX modules included as part of the Jetson Nano developer kit and the Jetson Xavier NX developer kit have slots for using microSD cards instead of eMMC as system storage devices.
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