GUSTAV ORIN NANO
512 - 1024 CUDA CORES | 4 OR 8 GB RAM
GUSTAV Orin Nano
EDGDEVICE / SKU: RB-Orin-Nano

GUSTAV® Jetson Orin™ Nano series modules deliver up to 40 TOPS of AI performance in the smallest Jetson form-factor, with power options between 5W and 15W. This gives you up to 80X the performance of NVIDIA Jetson Nano™ and sets the new baseline for entry-level Edge AI.

Features
- NVIDIA® Jetson ORIN™ Nano SOM
- 6x ARM64 CPU
- 512/1024 CUDA & 16/32 Tensor cores
- 4 GB / 8 GB of RAM (shared memory)
- 3x 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 ORIN NANO (4 GB)

<table>
<thead>
<tr>
<th>AI Performance</th>
<th>GPU</th>
<th>GPU Max Frequency</th>
<th>CPU</th>
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<th>DL Accelerator</th>
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<th>Vision Accelerator</th>
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<tbody>
<tr>
<td>20 TOPS</td>
<td>512 core NVIDIA Ampere architecture GPU with 16 Tensor Cores</td>
<td>625 MHz</td>
<td>6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3</td>
<td>1.5 GHz</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4GB 64-bit LPDDR5 34 GB/s</td>
<td>- (Supports external NVMe)</td>
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<tr>
<th>Video Encode</th>
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<th>PCIE*</th>
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<tr>
<td>1080p30 supported by 1-2 CPU cores</td>
<td>1x 4K60 (H.265) 2x 4K30 (H.265) 5x 1080p60 (H.265) 11x 1080p30 (H.265)</td>
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<td>3x USB 3.2 (Hub)</td>
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* USB 3.2, MGBE, and PCIe share UPHY Lanes. See the Product Design Guide for supported UPHY configurations.
** See the Jetson Orin Nano Series Data Sheet for more details on additional compatibility to DP 1.4a and HDMI 2.1
*** Virtual Channels for Jetson Orin NX and Jetson Orin Nano are subject to change
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