GUSTAV AGX ORIN
MADE FOR INDUSTRIAL APPLICATIONS
GUSTAV AGX ORIN 32 GB
EDGE DEVICE / SKU: RB-AGX-ORIN32-10G

GUSTAV Orin Series is based on NVIDIA Jetson SoC (System on a chip) modules. GUSTAV Orin is the ideal solution for applications from manufacturing and logistics to retail and healthcare.

Features

- NVIDIA® Jetson AGX ORIN™ SOM
- 8 x ARM64 CPU & 1792 CUDA & 56 Tensor-Cores
- 32 GB (shared memory)
- 3 x USB-C connectors
- 1x 12 Volts input with RB-Connector
- 1 x HDMI 2.1 Output
- 2 x RJ-45 10 GIGe Ethernet
- 128 – 4.000 GB SSD (M2) (optional)
- Active cooling
- Microcontroller for Flash Recovery & Reset
- Quickflash for all NVIDIA® Jetpack SDK
- W: 170mm H:77mm D:112mm
GUSTAV AGX ORIN 64 GB

EDGE DEVICE / SKU: RB-AGX-ORIN64-10G

GUSTAV Orin Series is based on NVIDIA Jetson SoC (System on a chip) modules. GUSTAV Orin is the ideal solution for applications from manufacturing and logistics to retail and healthcare.

Features

- NVIDIA® Jetson AGX ORIN™ SOM
- 12 x ARM64 CPU & 2048 CUDA & 64 Tensor-Cores
- 64 GB (shared memory)
- 3 x USB-C connectors
- 1x 12 Volts input with RB-Connector
- 1 x HDMI 2.1 Output
- 2 x RJ-45 10 GIGe Ethernet
- 128 – 4.000 GB SSD (M2) (optional)
- Active cooling
- Microcontroller for Flash Recovery & Reset
- Quickflash for all NVIDIA® Jetpack SDK
- W: 170mm H:77mm D:112mm
## Gustav AGX Orin (32 GB)

<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>200 TOPS</td>
<td>1792-core NVIDIA Ampere GPU with 56 Tensor Cores</td>
<td>1.300 MHz</td>
<td>12-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3</td>
<td>2.2 GHz</td>
<td>2x NVDLA v2.0</td>
<td>1.6 Ghz</td>
<td>1 x PVA v2.0</td>
<td>-</td>
<td>32 GB 256-bit LPDDR5 204.8 GB/s</td>
<td>32 GB eMMC 5.1</td>
</tr>
</tbody>
</table>

### Video Encode

<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>H.265 H.264 AV1</td>
<td>H.265 H.264 AV1</td>
<td>-</td>
<td>3x USB-C (10 Gbps)</td>
<td>2x GbE – 10 GigE</td>
<td>HDMI 2.x</td>
<td>GPIOs (internal)</td>
<td>15W - 60W</td>
<td>100mm x 87mm 699-pin connector Integrated Thermal Transfer Plate</td>
<td></td>
</tr>
</tbody>
</table>
# GUSTAV AGX ORIN (64 GB)

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<tr>
<th>AI Performance</th>
<th>GPU</th>
<th>GPU Max Frequency</th>
<th>CPU</th>
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<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>275 TOPS</td>
<td>2048-core NVIDIA Ampere GPU with 56 Tensor Cores</td>
<td>930 MHz</td>
<td>8-core NVIDIA Arm® Cortex A78AE v8.2</td>
<td>64-bit CPU 2MB L2 + 4MB L3</td>
<td>2.2 GHz</td>
<td>2x NVDLA v2.0</td>
<td>1.4 Ghz</td>
<td>1 x PVA v2.0</td>
<td>-</td>
<td>64 GB 256-bit LPDDR5 204.8 GB/s</td>
</tr>
</tbody>
</table>

## Video Encode

<table>
<thead>
<tr>
<th>H.265</th>
<th>H.264</th>
<th>AV1</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x 4K60</td>
<td>4 x 4K30</td>
<td>8 x 1080p60</td>
</tr>
</tbody>
</table>

## Video Decode

<table>
<thead>
<tr>
<th>H.265</th>
<th>H.264</th>
<th>AV1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 8K30</td>
<td>3 x 4K60</td>
<td>7 x 4K30</td>
</tr>
</tbody>
</table>

## USB*

- 3x USB-C (10 Gbps)
- 2 x 10 GigE
- HDMI 2.x
- GPIOs (internal)

## Power

- 15W - 60W

## Mechanical

- 100mm x 87mm 699-pin connector
- Integrated Thermal Transfer Plate
APPLICATIONS

Agriculture and Food

Intelligent Smart City

Energy Solutions

Manufacturing

Automotive

Biotech and Pharmaceutical
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