



# GUSTAV ORIN NANO

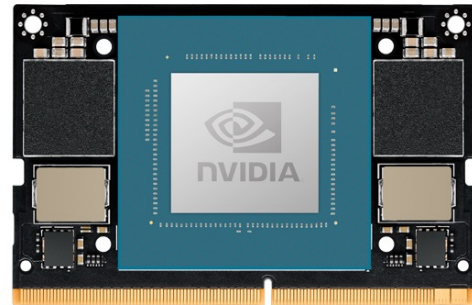
512 - 1024 CUDA CORES | 4 OR 8 GB RAM



# GUSTAV Orin Nano

EDGE DEVICE / 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)

AI Performance	GPU	GPU Max Frequency	CPU	CPU Max Frequency	DL Accelerator	DL Max Frequency	Vision Accelerator	Safety Cluster Engine	Memory	Storage
20 TOPS	512 core NVIDIA Ampere architecture GPU with 16 Tensor Cores	625 MHz	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3	1.5 GHz	-	-	-	-	4GB 64-bit LPDDR5 34 GB/s	- (Supports external NVMe)

Video Encode	Video Decode	CSI Camera	PCIe*	USB*	Networking*	Display	Other IO	Power	Mechanical	
1080p30 supported by 1-2 CPU cores	1x 4K60 (H.265) 2x 4K30 (H.265) 5x 1080p60 (H.265) 11x 1080p30 (H.265)	-	-	3x USB.3.2 (Hub)	1x GbE	HDMI 1.4	GPIOs (internal)	5W - 10W	69.6mm x 45mm  260-pin SO-DIMM connector	

# GUSTAV ORIN NANO (8 GB)

AI Performance	GPU	GPU Max Frequency	CPU	CPU Max Frequency	DL Accelerator	DL Max Frequency	Vision Accelerator	Safety Cluster Engine	Memory	Storage
40 TOPS	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores	625 MHz	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3	1.5 GHz	-	-	-	-	8GB 128-bit LPDDR5 68 GB/s	(Supports internal NVMe)

Video Encode	Video Decode	CSI Camera	PCIe*	USB*	Networking*	Display	Other IO	Power	Mechanical	
1080p30 supported by 1-2 CPU cores	1x 4K60 (H.265) 2x 4K30 (H.265) 5x 1080p60 (H.265) 11x 1080p30 (H.265)	-	-	3x USB.3.2 (Hub)	1x GbE	HDMI 1.4	GPIOs (internal)	7W - 15W	69.6mm x 45mm  260-pin SO-DIMM connector	

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