REBOTNIX
INDUSTRIAL SOLUTIONS

GUSTAV NANO

128 CUDA CORES | 4 OR 8 GB RAM

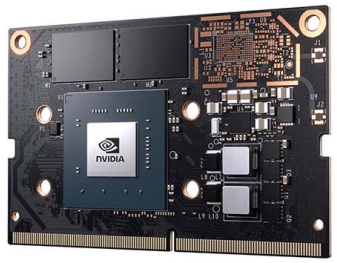
NVIDIA PREFERRED PARTNER

VERSION 1.0.9

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

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

Video Encode	Video Decode	CSI Camera	PCIE*	USB*	Networking*	Display	Other IO	Power	Mechanical	
1x 4K30 2x1080p60 4x1080p30 4x720p60 9x720p30 (H.265 & H.264)	1x 4K60 2x 4K30 4x 1080p60 8x 1080p30 9x 720p60 (H.265 & H.264)	-	-	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).	1x GbE	HDMI 2.x	GPIOs (internal)	5W-10W	69.6 mm x 45 mm 260-pin SO-DIMM connector	

* 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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POWER

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