REBOTNIX
INDUSTRIAL SOLUTIONS

GUSTAVi NX & ORIN NX

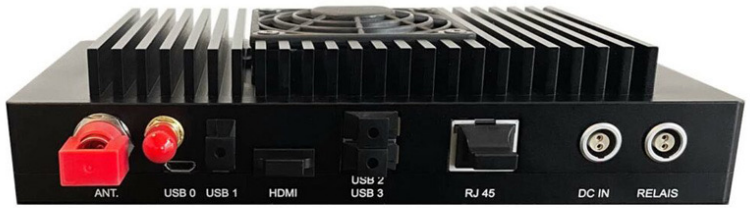
384 - 1024 CUDA CORES | 8 OR 16 GB

NVIDIA PREFERRED PARTNER

GUSTAVi

EDGE DEVICE / SKU: RB-i

GUSTAVi is used worldwide for the industrial areas of SmartCity in vehicles or alternatively for production monitoring.



Features

- NVIDIA® Jetson XAVIER NX™
- 6x ARM64 CPU & 384 CUDA & 48 Tensor-Cores (NX)
- 6x ARM64 CPU
- 32 GB / 64 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: 180mm H:40mm D:110mm
- High AI computing performance for GPU-accelerated processing
- Ultra-compact enclosure design to install in trucks or fixed position

GB = Gigabytes

GUSTAVi (8 GB)

AI Performance	GPU	GPU Max Frequency	CPU	CPU Max Frequency	DL Accelerator	DL Max Frequency	Vision Accelerator	Safety Cluster Engine	Memory	Storage
21 TOPs	384-core NVIDIA Volta™ GPU with 48 Tensor Cores (Xavier NX) 1024-core (Orin NX)	1100 MHz (Xavier NX 8 GB) 765 Mhz (Orin NX 8 GB)	6-core NVIDIA Carmel Arm®v8.2 64-bit CPU 6MB L2 + 4MB L3	1.9 GHz (Xavier NX 8 GB) 2.2 GHz (Orin NX 8GB)	2x NVDLA v1.0	1.1 GHz	2x PVA v1.0	-	8GB 128-bit LPDDR4x 59.7GB/s	16 GB eMMC 5.1

Video Encode	Video Decode	CSI Camera	PCIE*	USB*	Networking*	Display	Other IO	Power	Mechanical	
2x 4K60 | 4x 4K30 | 10x 1080p60 | 22x 1080p30 (H.265) 2x 4K60 | 4x 4K30 | 10x 1080p60 | 20x 108p30 (H.264)	2x 8K30 | 6x 4K60 | 12x 4K30 | 22x 1080p60 | 44x 1080p30 (H.265) 2x 4K60 | 6x 4K30 | 10x 1080p60 | 22x 1080p30 (H.264)	-	-	2 x USB 2.0 1 x USB 3.0 (direct to Jetson GPU Module)	1x GbE	HDMI 2.x	GPIOs (internal)	10W - 20W	69.6 mm x 45 mm260-pin SO-DIMM connector	

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

GUSTAVi (16 GB)

AI Performance	GPU	GPU Max Frequency	CPU	CPU Max Frequency	DL Accelerator	DL Max Frequency	Vision Accelerator	Safety Cluster Engine	Memory	Storage
21 TOPs	384-core NVIDIA Volta™ GPU with 48 Tensor Cores	1100 MHz (Xavier NX 16 GB) 918 MHz (Orin NX 16 GB)	6-core NVIDIA Carmel Arm®v8.2 64-bit CPU 6MB L2 + 4MB L3	1.9 GHz (Xavier NX 16 GB) 2.0 GHz (Orin NX 16 GB)	2x NVDLA v1.0	1.1 GHz	2x PVA v1.0	-	16 GB 128-bit LPDDR4x 59.7GB/s	16 GB eMMC 5.1

Video Encode	Video Decode	CSI Camera	PCIE*	USB*	Networking*	Display	Other IO	Power	Mechanical	
2x 4K60 | 4x 4K30 | 10x 1080p60 | 22x 1080p30 (H.265) 2x 4K60 | 4x 4K30 | 10x 1080p60 | 20x 108p30 (H.264)	2x 8K30 | 6x 4K60 | 12x 4K30 | 22x 1080p60 | 44x 1080p30 (H.265) 2x 4K60 | 6x 4K30 | 10x 1080p60 | 22x 1080p30 (H.264)	-	-	2 x USB 2.0 1 x USB 3.0 (direct to Jetson GPU Module)	1x GbE	HDMI 2.x	GPIOs (internal)	10W - 20W	69.6 mm x 45 mm260-pin SO-DIMM connector	

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

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