

GoMax[®] NX

SMART VISION ACCELERATOR



Powered by NVIDIA[®] Jetson Xavier[™] NX

GoMax[®] NX is a high-performance embedded device that allows you to accelerate any Gocator[®] sensor or multi-sensor network in heavy-duty inspection applications that require increased data processing power.

This compact, fanless, and easy-to-use vision accelerator enhances data processing power in real-time, minimizing cycle times and augmenting overall inspection performance so you can achieve optimal results in demanding applications such as multi-sensor floor panel inspection, automotive weld inspection, and EV battery foam inspection.

- Easy to set up, power, and run using the Gocator[®] web browser interface
- Add GPU-accelerated data processing power to Gocator[®] 3D laser profilers and snapshot sensors
- Simultaneously accelerate Gocator[®] multi-sensor networks
- Add multiple GoMax[®] NX units to scale up sensor network acceleration

PLUG. PLAY. ACCELERATE.

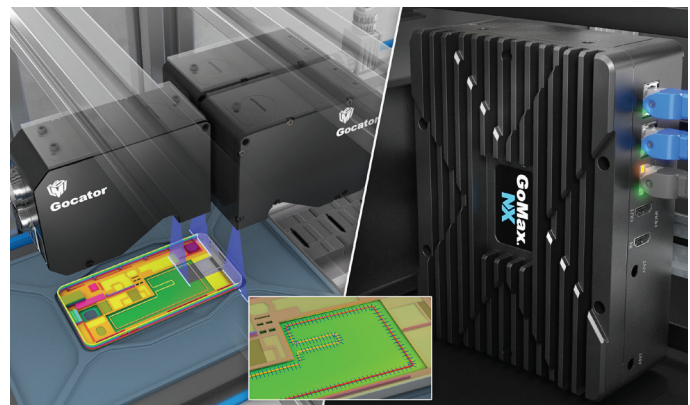
Simply connect GoMax[®] NX to any Gocator[®] sensor and use the intuitive Gocator[®] web browser-based interface to activate sensor acceleration. GoMax[®] NX also leverages a distributed design architecture based on peer-to-peer networking that allows you to easily accelerate entire multi-sensor networks.

ACCELERATED DATA PROCESSING.

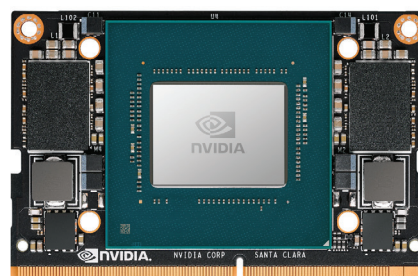
GoMax[®] NX eliminates the need for an industrial PC by taking over a portion of the sensor's onboard data processing (including data generation, 3D measurement, and PLC/robot communication). GoMax[®] NX can even handle continuous 3D data feeds over Ethernet and automatically recover from data transmission errors.

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GoMax[®] NX is equipped with the latest and greatest technology from NVIDIA[®] – The Jetson Xavier[™] NX system-on-module (SOM). This embedded supercomputer features the NVIDIA[®] Volta GPU architecture with 384 CUDA[®] cores and 48 Tensor cores, delivering up to 14 TOPS at 10W of computational horsepower for accelerated processing of high-resolution data from multiple Gocator[®] sensors.

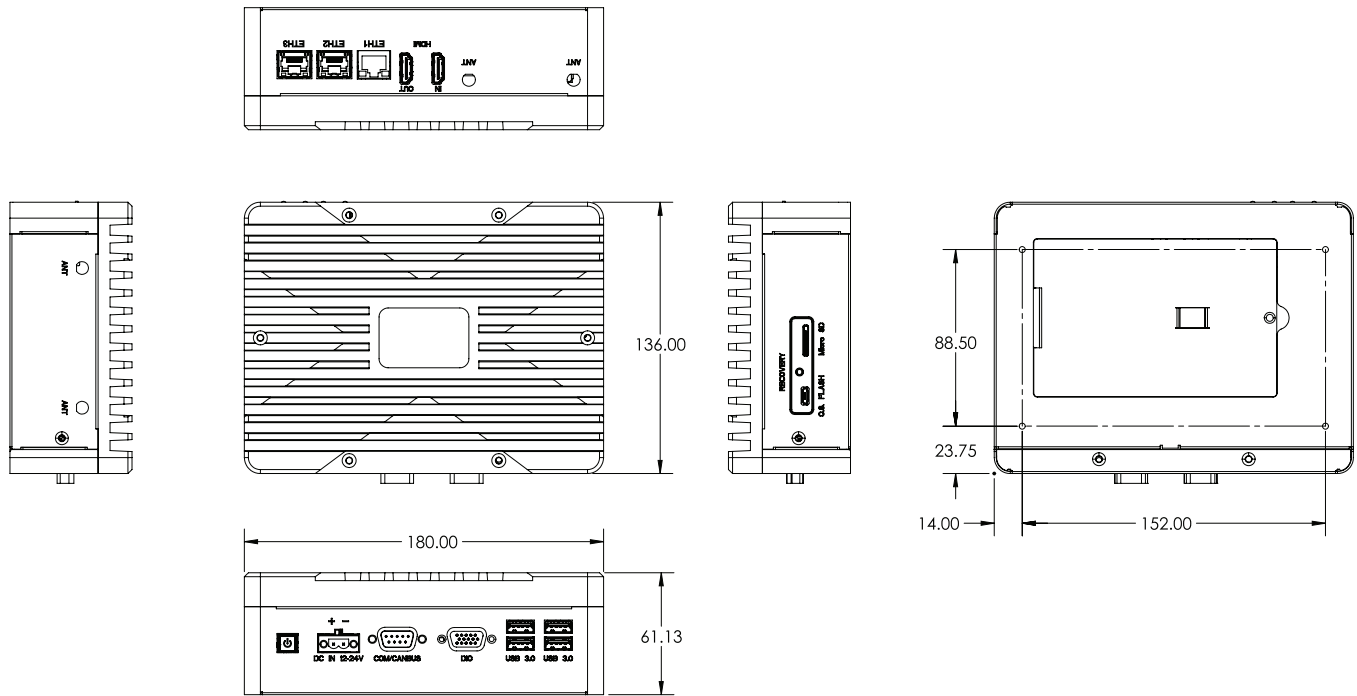


GoMax NX accelerating a triple-sensor inspection of a glue track



GOMAX NX SPECIFICATIONS

NVIDIA Module	Jetson Xavier NX
CPU	6 core NVidia Carmel ARM v8.2
GPU	Volta GPU, 384 CUDA cores, 48 Tensor Cores
Memory	8 GB LPDDR4 onboard
Storage	16 GB eMMC onboard
Supported IO	2x Ethernet
Dimensions (mm)	180 x 136 x 61.1 mm
Power	12 - 24 VDC (phoenix connector), max 15W
Weight (kg)	2.1 kg
Operating Temperature	-15C - 55C
Certifications	CE, FCC class A, RoHS, Reach
Mounting	DIN Rail, Wall mounting



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