

# DSBOX-NX2

## XAVIER NX INDUSTRIAL BOX PC



### HIGHLIGHTS

- › NVIDIA Jetson Xavier NX Processor
- › AI Ready for deep neural networks (21 TOPS)
- › Process 32 Full-HD video streams with Deepstream SDK
- › 8/16 GB 128-bit LPDDR4x RAM
- › 4K Video Decode & Display
- › Industrial IO options (RS232/485, CAN, Digital I/O)
- › High Speed Interfaces (Gigabit Ethernet, USB 3.1)
- › Wide voltage input range
- › Extended temperature range

### TECHNICAL SPECIFICATIONS

<b>Supported Modules</b>	NVIDIA Jetson Xavier NX 8GB / 16GB
<b>Memory</b>	8 GB 128-bit LPDDR4x / 16 GB 128-bit LPDDR4x
<b>Graphics Interfaces</b>	1x HDMI 2.0(max resolution 3840x2160)
<b>Interfaces</b>	1x Gigabit Ethernet 2x USB 3.1 Type-A 1x CAN Bus (Only in Xavier NX and TX2NX SoM) 1x RS232/422/485 (software configurable) 1x microUSB 2.0 (Recovery) 2x Digital Input 3x Digital Output
<b>Wireless Communication</b>	WiFi/Bluetooth/LTE/5G Connectivity by extension sockets
<b>Power Supply</b>	9-28 VDC
<b>Extension Sockets</b>	1x M.2 Key-E, 1x M.2 Key-B, 1x MicroSD, 1x SIM
<b>Mass Storage</b>	16 GB eMMC 5.1 Flash 1x M.2 Key-M SSD Slot
<b>Ambient Conditions</b>	-25°C ... +85°C
<b>Form Factor / Dimensions</b>	110 mm x 130 mm x 60 mm 760gr
<b>Operating Systems</b>	Ubuntu Linux 18.04 / 20.04
<b>JetPack Support</b>	JetPack 4.x JetPack 5.x

DSBOX-NX2 is an industrial PC that harnesses the power of NVIDIA Jetson Xavier NX, offering a high-performance computing platform tailored for industrial use cases. Its fanless and rugged design make it an ideal choice for deployment in challenging industrial environments. The DSBOX-NX2's NVIDIA Jetson Xavier NX AI processor delivers up to 21 TOPS of AI performance, empowering it to tackle sophisticated AI applications.

Moreover, it comes with a variety of I/O ports such as Gigabit Ethernet, HDMI, USB 3.1, CAN and serial ports, enabling easy integration with other industrial devices. In addition, the DSBOX-NX2 features hardware acceleration for video encoding and decoding, support for multiple camera inputs, and compatibility with popular AI frameworks, including TensorFlow, PyTorch, and Caffe. These capabilities allow for the development of custom AI solutions for various industrial use cases, including predictive maintenance, quality control, and object recognition.



Transportation



Security and Surveillance



Healthcare



Robotics



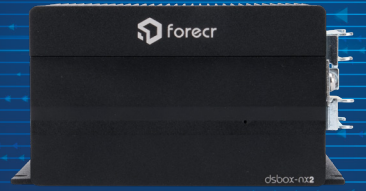
Industrial Automation



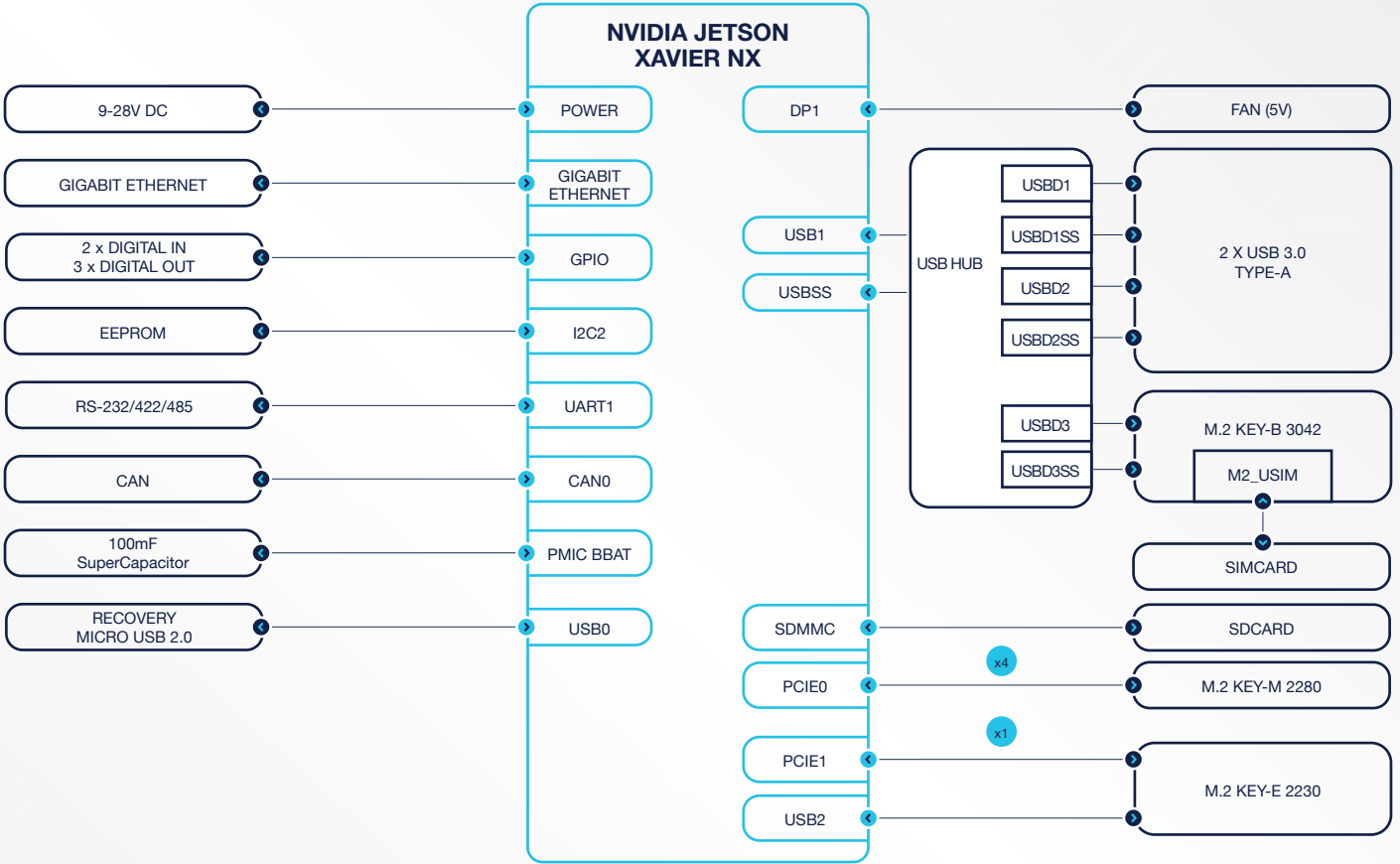
Sports

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## BLOCK DIAGRAM



## FOR ORDERING



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### Mist Elektronik Ltd. Sti.

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