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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

Supported Modules	NVIDIA Jetson Xavier NX 8GB / 16GB
Memory	8 GB 128-bit LPDDR4x / 16 GB 128-bit LPDDR4x
Graphics Interfaces	1x HDMI 2.0(max resolution 3840x2160)
Interfaces	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
Wireless Communication	WiFi/Bluetooth/LTE/5G Connectivity by extension sockets
Power Supply	9-28 VDC
Extension Sockets	1x M.2 Key-E, 1x M.2 Key-B, 1x MicroSD, 1x SIM
Mass Storage	16 GB eMMC 5.1 Flash 1x M.2 Key-M SSD Slot
Ambient Conditions	-25°C ... +55°C
Form Factor / Dimensions	110 mm x 130 mm x 67 mm, 760 gr
Operating Systems	Ubuntu Linux 18.04 / 20.04
JetPack Support	JetPack 4.x / 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

RoHS COMPLIANT | CE

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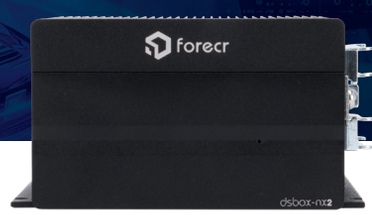
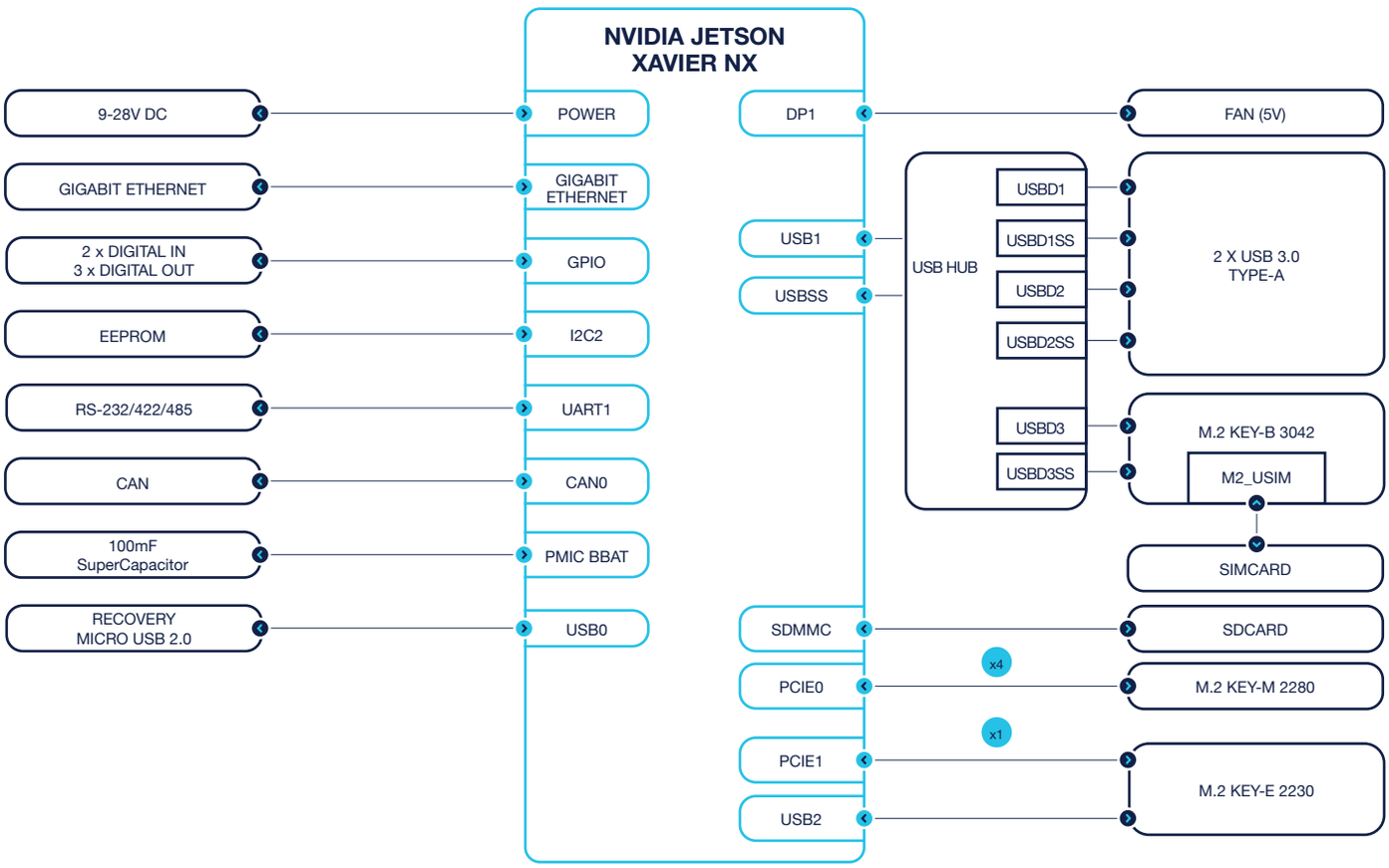


BLOCK DIAGRAM



FOR ORDERING

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