



# DSBOARD-NX2

NVIDIA JETSON NANO & TX2NX  
& XAVIER NX CARRIER BOARD

## HIGHLIGHTS

- › Supports NVIDIA Jetson Nano, TX2 NX and Xavier NX SOMs
- › AI ready for edge analytics with 21 TOPS AI performance
- › 4K Video Display (HDMI 2.0)
- › Industrial IO options (RS232/485, CAN Bus, Digital I/Os)
- › Rich extension options (M.2 Key-E, M.2 Key-B, M.2 Key-M)
- › High Speed Interfaces (Gigabit Ethernet, USB 3.1)
- › Robust power design
- › Wide voltage input range
- › Extended temperature range

## TECHNICAL SPECIFICATIONS

<b>Supported Modules</b>	NVIDIA Jetson Nano NVIDIA Jetson Xavier NX 8GB / 16GB NVIDIA Jetson TX2 NX
<b>Memory</b>	4 GB 64-bit LPDDR4 8 GB 128-bit LPDDR4x / 16 GB 128-bit LPDDR4x 4GB 128-bit LPDDR4
<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) 1 x microUSB (Recovery) 1 x UART (Debug, 3.3V) 2x CSI 2-LANE 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, 1x 5V FAN, 1x SPI, 1x UART, 1x I2C
<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>	100 mm x 100 mm, 85gr
<b>Operating Systems</b>	Ubuntu Linux 18.04 / 20.04
<b>JetPack Support</b>	JetPack 4.x JetPack 5.x



The DSBOARD-NX2 is a carrier board designed to support the NVIDIA Xavier NX, Jetson Nano, and TX2 NX System on Modules (SoMs) for advanced edge computing applications.

The carrier board features multiple camera connectors, Gigabit Ethernet, HDMI, and USB 3.0, providing a wide range of I/O interfaces for your project needs. Additionally, it supports PCIe and M.2 expansion options, allowing for further customization and scalability.

The DSBOARD-NX2 provides a complete development and deployment platform for the Xavier NX, Jetson Nano, and TX2 NX SoMs, offering excellent performance and flexibility for your edge computing applications. Whether you are building intelligent robots, drones, or other edge devices, the DSBOARD-NX2 offers a powerful and flexible foundation for your project.



Autonomous Vehicles



Security and Surveillance



Healthcare



Industrial Automation



Robotics



Agriculture

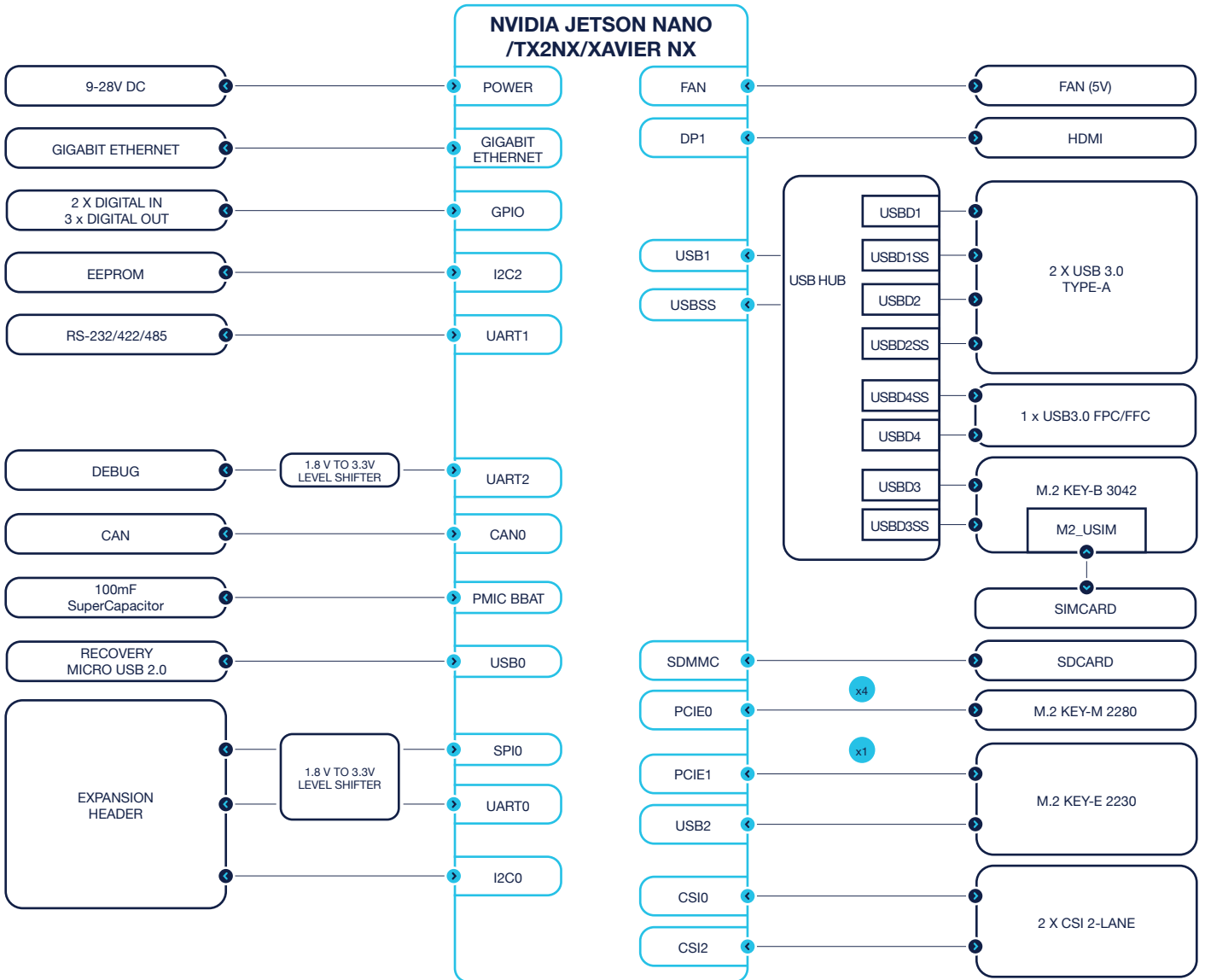


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## BLOCK DIAGRAM



## FOR ORDERING

### Forecr OÜ (Reg No: 16578675)

VAT No: EE102592089  
Sakala tn 7-2, Tallinn, 10141, Estonia

### Forecr OÜ (Technopol Office)

Akadeemia tee 21/1 (II-floor), Room 219, 12618, Tallinn, Estonia

### Mist Elektronik Ltd. Sti.

Gazi Üniversitesi Gölbaşı Yerleşkesi Teknokent Binası B Blok  
No:10/50-B/23 06830 Gölbaşı / ANKARA / TURKEY



✉ info@forecr.io 🌐 www.forecr.io 🌐 www.linkedin.com/company/forecr/

