

# DSBOX-TX2NX

## TX2NX INDUSTRIAL BOX PC



### HIGHLIGHTS

- › NVIDIA Jetson TX2 NX Processor
- › AI Ready for deep neural networks (1.33 TFLOPS)
- › Process 14 Full-HD video streams with Deepstream SDK
- › 4 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 TX2 NX
<b>Memory</b>	4 GB 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) 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
<b>JetPack Support</b>	JetPack 4.x

DSBOX-TX2NX is an industrial PC that offers powerful edge computing capabilities for industrial applications that require high processing power and reliability in harsh environments. The PC is based on the NVIDIA Jetson TX2 NX System-on-Module and comes with a rugged and compact design that is optimized for harsh industrial environments. The aluminum chassis provides excellent heat dissipation and protection against dust, shock, and vibration. With a wide operating temperature range (-25°C to 60°C) and a wide input voltage range (9V to 28V), the DSBOX-TX2NX ensures reliable operation in a variety of industrial environments.

The PC features various connectivity options, including Gigabit Ethernet, USB 3.0, HDMI, and RS-232, as well as a M.2 NVMe slot for high-speed storage and M.2 slots for expansion modules. The DSBOX-TX2NX runs on the NVIDIA JetPack SDK, providing a complete software development environment for building and deploying AI applications on the device. Overall, the DSBOX-TX2NX is a versatile and powerful solution for industrial applications that require high processing power and ruggedness in harsh environments.



Transportation



Security and Surveillance



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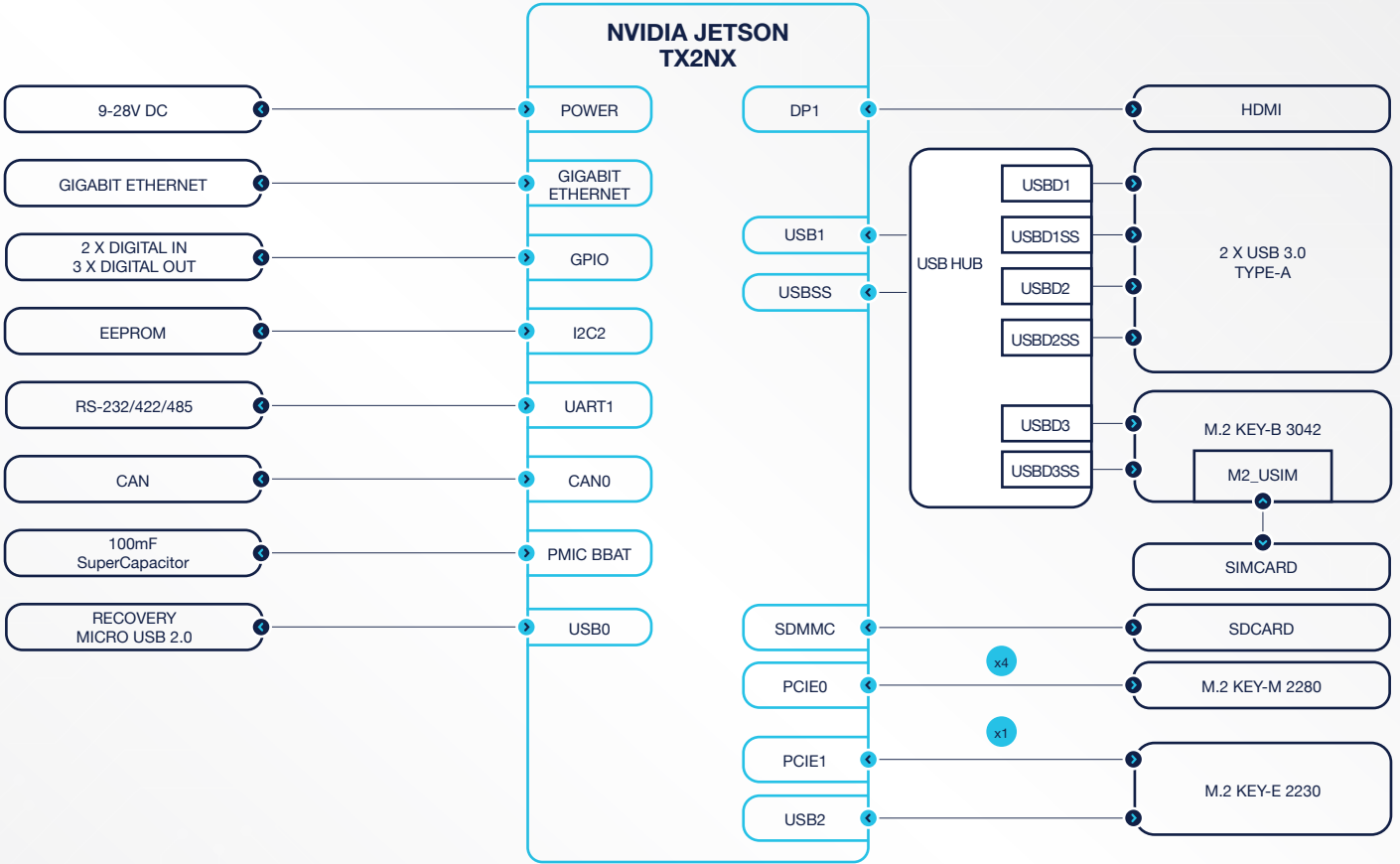
Industrial Automation



Smart City



**BLOCK DIAGRAM**



**FOR ORDERING**

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