



## 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

Supported Modules	NVIDIA Jetson TX2 NX
Memory	4 GB 128-bit LPDDR4
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 ... +65°C
Form Factor / Dimensions	110 mm x 130 mm x 60 mm 760gr
Operating Systems	Ubuntu Linux 18.04
JetPack Support	JetPack 4.x (4.5.1 / 4.6 / 4.6.1/ 4.6.2 / 4.6.3)

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



Healthcare



Robotics



Industrial Automation

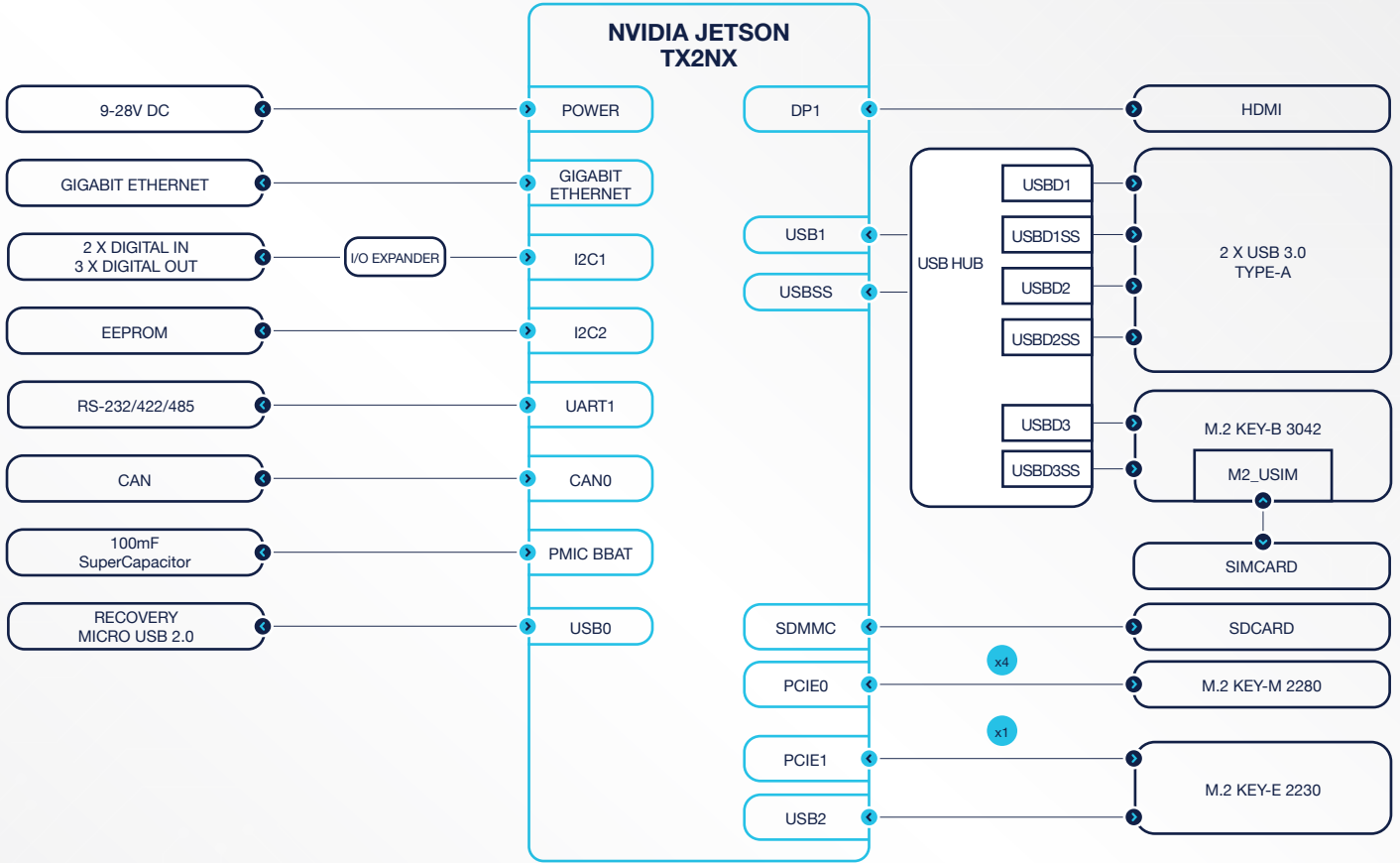


Smart City





## BLOCK DIAGRAM



## ORDERING INFORMATION

<b>DSBOX-TX2NX-AA</b>	DSBOX-TX2NX Industrial Box PC with Jetson TX2 NX
<b>DSBOX-TX2NX-AA-32</b>	DSBOX-TX2NX Industrial Box PC with Jetson TX2 NX and 32GB SD Card
<b>DSBOX-TX2NX-AA-250</b>	DSBOX-TX2NX Industrial Box PC with Jetson TX2 NX and 250GB SSD
<b>DSBOX-TX2NX-AA-500</b>	DSBOX-TX2NX Industrial Box PC with Jetson TX2 NX and 500GB SSD
<b>DSBOX-TX2NX-AA-1000</b>	DSBOX-TX2NX Industrial Box PC with Jetson TX2 NX and 1000GB SSD
<b>DSBOX-TX2NX-AA-2000</b>	DSBOX-TX2NX Industrial Box PC with Jetson TX2 NX and 2000GB SSD

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