DSBOX-N2

NANO INDUSTRIAL BOX PC

HIGHLIGHTS

- NVIDIA Jetson Nano Processor
- AI Ready for IIOT and Industry 4.0 applications
- Cost-effective Edge Analytics Deployment
- Process up to 8 Full-HD video streams with Deepstream SDK
- 4 GB 64-bit LPDDR4 RAM
- 4K Video Decode & Display
- Industrial IO options (RS232/485, Digital I/O)
- High Speed Interfaces (Gigabit Ethernet, USB 3.1)
- Low power operation (< 10 Watts)

TECHNICAL SPECIFICATIONS

Supported Modules	NVIDIA Jetson Nano
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 RS232/422/485 (software configurable) 1x microUSB 2.0 (Recovery) 2x Digital Input 3x Digital Output
Wireless Communication	Bluetooth, LTE/5G Connectivity by extension sockets
Power Supply	9-28 VDC
Extension Sockets	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 ... +85°C
Form Factor / Dimensions	110 mm x 130 mm x 67 mm, 760 gr
Operating Systems	Ubuntu Linux 18.04
JetPack Support	JetPack 4.x

DSBOX-N2 is an industrial PC that offers powerful edge computing capabilities in a compact and rugged form factor for industrial applications that require high processing power. It is based on the NVIDIA Jetson Nano System-on-Module and comes with a rugged aluminum chassis that 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-N2 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 a M.2 Key-B slot for expansion modules. The DSBOX-N2 runs on the NVIDIA JetPack SDK, providing a complete software development environment for building and deploying AI applications on the device. Overall, the DSBOX-N2 is a powerful and reliable edge computing device that is well-suited for industrial applications that require high processing power in a compact and rugged form factor.

Transportation

Security and Surveillance

Healthcare

Robotics

Industrial Automation

Smart City

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DSBOX-N2

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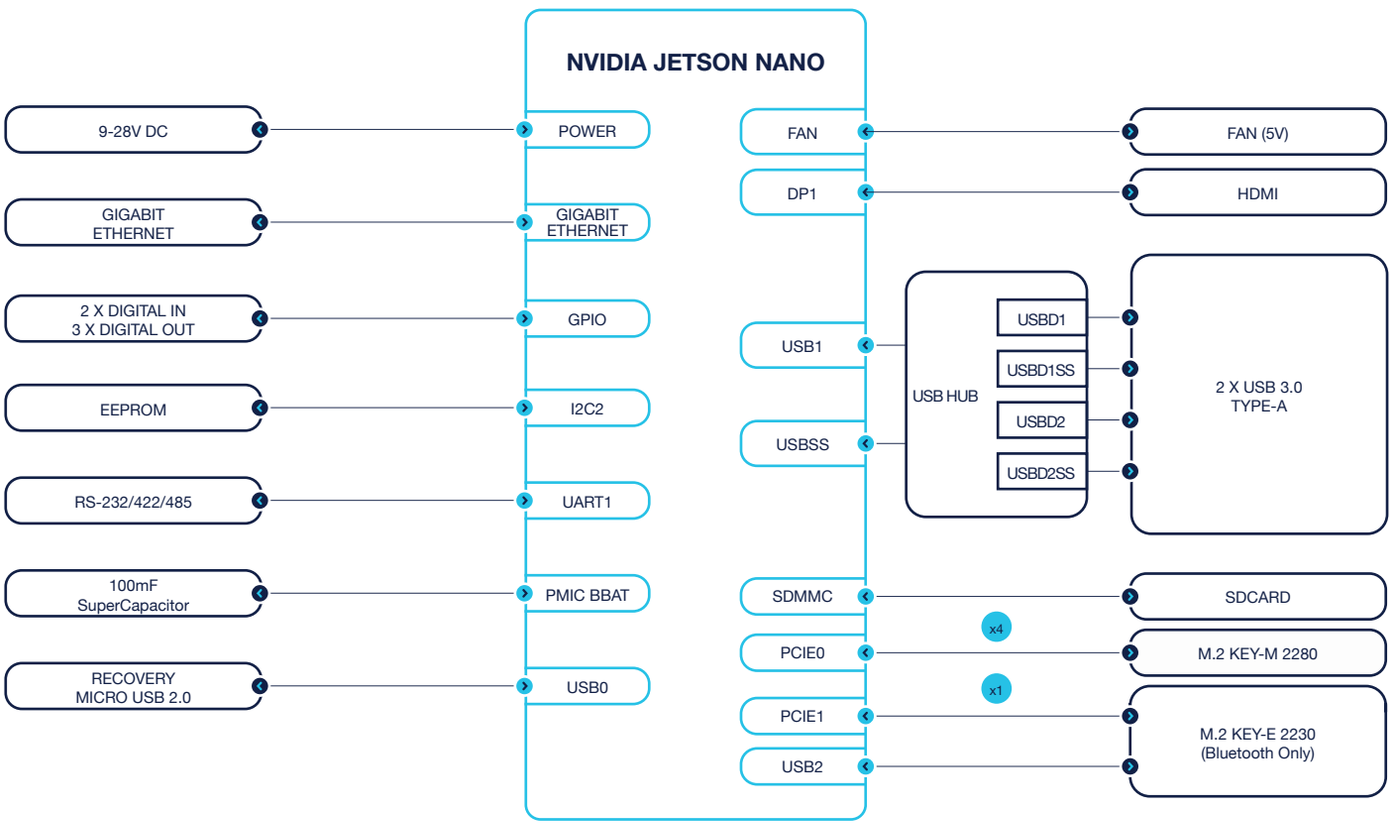
BLOCK DIAGRAM



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