



DSBOX-ORNX-LAN

ORIN NX INDUSTRIAL BOX PC with DUAL LAN



HIGHLIGHTS

- › Powerful and reliable industrial computer
- › Dual LAN connectivity
- › Advanced AI and machine learning with 100 TOPS of performance
- › Robust power design
- › Multiple connectivity options
- › Ideal for autonomous systems, robotics, and video analytics
- › Rugged, compact design for industrial environments
- › Excellent heat dissipation and shock protection
- › Wide operating temperature and voltage range

TECHNICAL SPECIFICATIONS

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|--------------------------|--|
| Supported Modules | NVIDIA Jetson Orin Nano 4GB / 8GB NVIDIA Jetson Orin NX 8GB / 16GB |
| Memory | 4 GB 64-bit LPDDR5 / 8 GB 128 bit LPDDR5 8 GB 256-bit LPDDR5 / 16 GB 128 bit LPDDR5 |
| Graphics Interfaces | 1x HDMI 2.0(max resolution 3840x2160) |
| Interfaces | 2x Gigabit Ethernet 3x USB 3.1 Type-C 1x CAN Bus 1x RS232 & 1x RS422 2x Digital Input 2x Digital Output |
| Wireless Communication | WiFi/Bluetooth Connectivity by extension sockets |
| Power Supply | 9-28 VDC |
| Extension Sockets | 1x M.2 Key-E |
| Mass Storage | 2x M.2 Key-M SSD Slot |
| Ambient Conditions | -25°C ... +85°C |
| Form Factor / Dimensions | 110 mm x 130 mm x 60 mm 765gr |
| Operating Systems | Ubuntu Linux 20.04 |
| JetPack Support | JetPack 5.x |

DSBOX-ORNX-LAN is a powerful and reliable industrial computing device with dual LAN connectivity, suitable for industrial applications that require high processing power and ruggedness, such as autonomous driving, robotics, and intelligent video analytics.. It is based on the NVIDIA DRIVE AGX Orin system-on-a-chip, featuring multiple NVIDIA Ampere GPU cores and Arm64 CPU cores, providing the processing power required for complex industrial applications such as autonomous driving, robotics, and intelligent video analytics.

DSBOX-ORNX-LAN has a rugged and compact design optimized for industrial environments. It is built with an aluminum chassis that provides excellent heat dissipation and protection against dust, shock, and vibration. The device features a wide operating temperature range and a wide input voltage range to ensure reliable operation in harsh industrial environments.



Transportation



Robotics



Smart Retail



Industrial & Manufacturing



Smart City Applications



Autonomous Systems

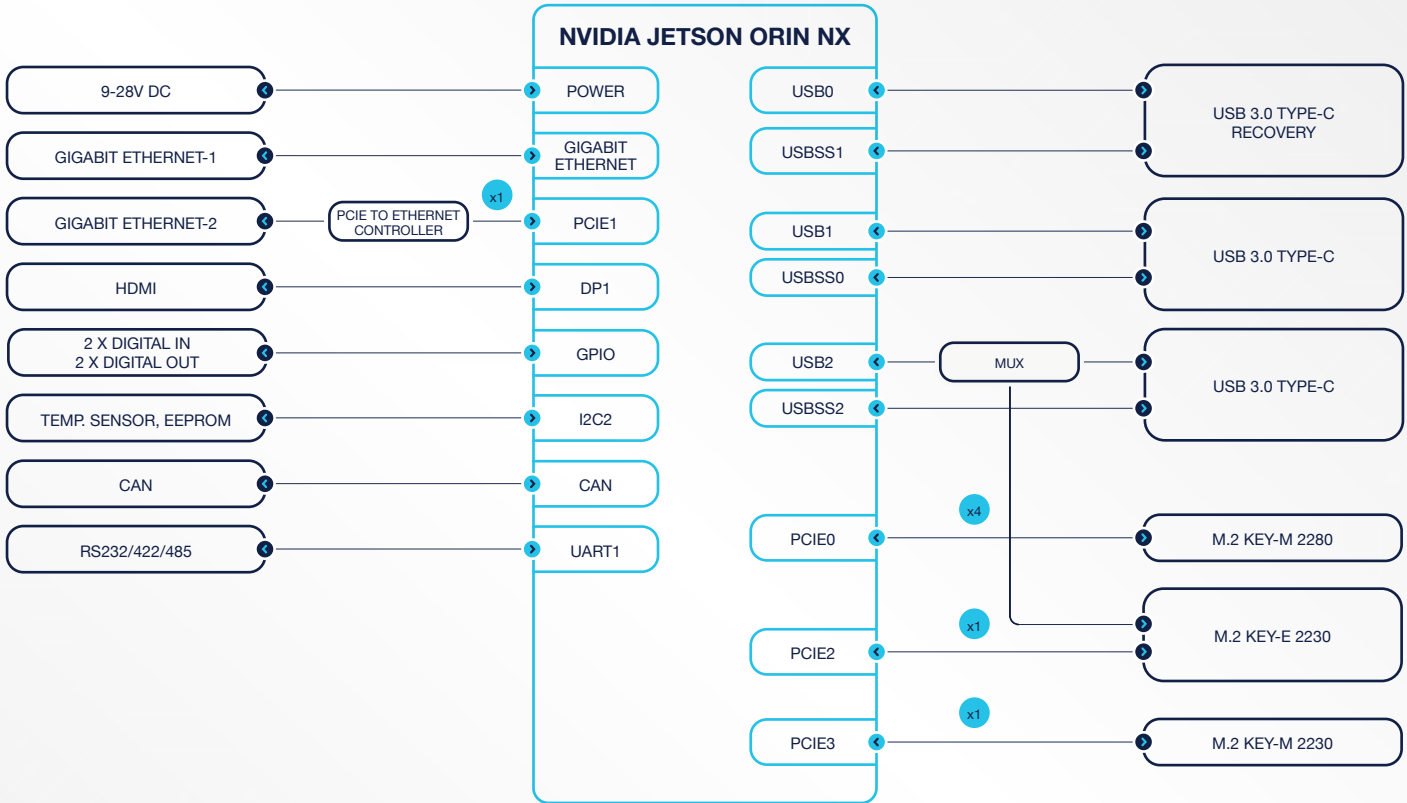


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BLOCK DIAGRAM



ORDERING INFORMATION

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| DSBOX-ORNX-LAN-AA | DSBOX-ORNX-LAN Industrial Box PC with Jetson Orin NX 8GB |
| DSBOX-ORNX-LAN-AA-250 | DSBOX-ORNX-LAN Industrial Box PC with Jetson Orin NX 8GB and 250GB SSD |
| DSBOX-ORNX-LAN-AA-500 | DSBOX-ORNX-LAN Industrial Box PC with Jetson Orin NX 8GB and 500GB SSD |
| DSBOX-ORNX-LAN-AA-1000 | DSBOX-ORNX-LAN Industrial Box PC with Jetson Orin NX 8GB and 1000GB SSD |
| DSBOX-ORNX-LAN-AA-2000 | DSBOX-ORNX-LAN Industrial Box PC with Jetson Orin NX 8GB and 2000GB SSD |
| DSBOX-ORNX-LAN-AB | DSBOX-ORNX-LAN Industrial Box PC with Jetson Orin NX 16GB |
| DSBOX-ORNX-LAN-AB-250 | DSBOX-ORNX-LAN Industrial Box PC with Jetson Orin NX 16GB and 250GB SSD |
| DSBOX-ORNX-LAN-AB-500 | DSBOX-ORNX-LAN Industrial Box PC with Jetson Orin NX 16GB and 500GB SSD |
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