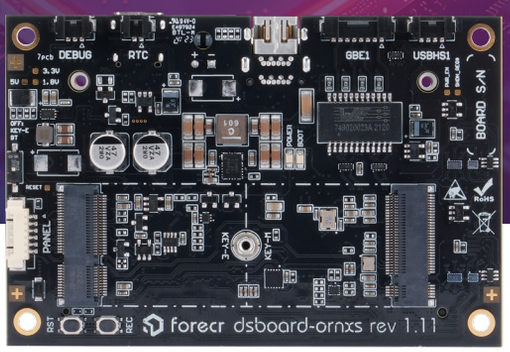
DSBOARD-ORNXS

ORIN NX & ORIN NANO COMPACT CARRIER BOARD



HIGHLIGHTS

- NVIDIA Jetson Orin Nano & NX Super Mode Support
- AI-ready with up to 157 TOPS performance
- Stay connected effortlessly with built-in WiFi and Bluetooth capabilities
- Up to 16GB LPDDR5 (up to 16 GB) for seamless performance
- Mini DisplayPort supports up to 4K Ultra HD visuals
- Customize and expand your setup with multiple extension sockets
- Gigabit Ethernet & USB 2.0 for fast and reliable data transfer
- Wide voltage input range
- M.2 Key-M SSD slot for convenient mass storage solutions

TECHNICAL SPECIFICATIONS

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 Mini DisplayPort(max resolution 3840x2160)
Interfaces	2x Gigabit Ethernet 2x USB 2.0 1x CAN Bus 2X CSI 4-LANE 1x 3.0 Type-C (Recovery) 1x UART (Debug - 3.3V) 1x RTC
Wireless Communication	WiFi/Bluetooth Connectivity by extension sockets
Power Supply	9-28 VDC
Extension Sockets	1x M.2 Key-E, 1x 5V FAN, 1x SPI, 1x I2S, 2x I2C, 2x UART
Mass Storage	1x M.2 Key-M 2230
Ambient Conditions	-25°C ... +85°C
Form Factor / Dimensions	60.5 mm x 91 mm, 43gr
Operating Systems	Ubuntu Linux 20.04 / 22.04
JetPack Support	JetPack 5.x / 6.x

DSBOARD-ORNXS is a game-changing innovation that redefines the concept of productivity and connectivity. Powered by the NVIDIA Jetson Orin Nano and Orin NX, this compact and versatile device brings unmatched processing power. With its seamless WiFi and Bluetooth connectivity, you can effortlessly collaborate and communicate with your team, breaking down barriers and unlocking new levels of efficiency.

Equipped with impressive memory options ranging from 4 GB to 16 GB of lightning-fast LPDDR5, the DSBOARD-ORNXS ensures smooth multitasking and effortless data handling. Its graphics interfaces, including a Mini DisplayPort with a maximum resolution of 3840x2160, deliver stunning visuals that elevate your work to a whole new level. Plus, with multiple extension sockets, including M.2 Key-E and 5V FAN, you have the flexibility to customize and expand your device to suit your specific needs.

Autonomous Vehicles

Smart City

Healthcare

Industrial Automation

Robotics

Transportation

Drones/UAVs

RoHS COMPLIANT

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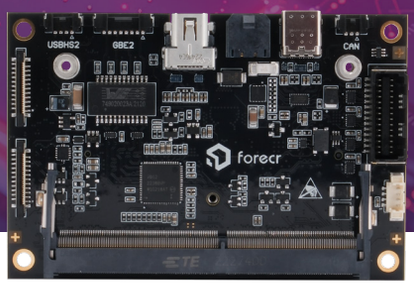
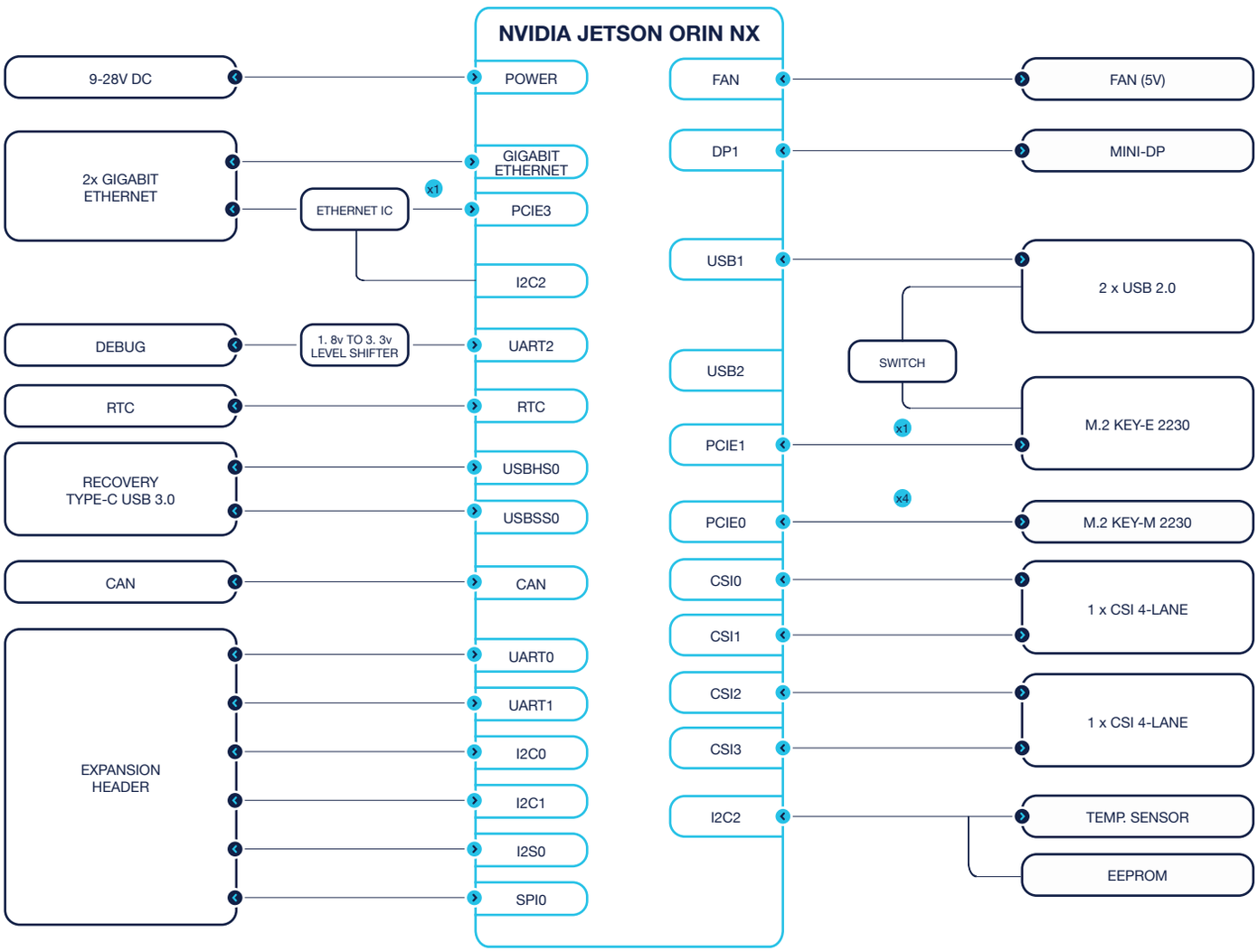


BLOCK DIAGRAM



FOR ORDERING

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