



DSBOARD-THRMAX

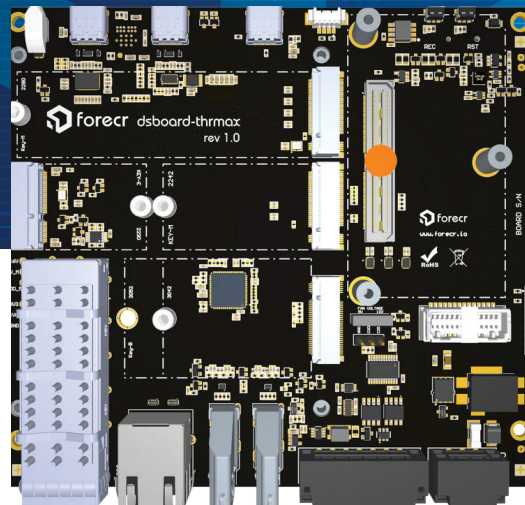
NVIDIA JETSON THOR™ MODULE CARRIER BOARD

HIGHLIGHTS

- › Accelerated by NVIDIA Jetson T5000
- › Industrial-Grade Rugged Design
- › Advanced Connectivity & High-Speed I/O
- › WiFi/Bluetooth/LTE/5G Connectivity by extension sockets
- › Next-Gen Expansion & Storage Capacity
- › Enables real-time thermal monitoring for system protection
- › Compact Form Factor (140x125mm)
- › Delivers an extraordinary 2070 TFLOPS of AI performance (FP4—Sparse)

TECHNICAL SPECIFICATIONS

Supported Modules	NVIDIA Jetson T5000
Memory	128 GB 256-bit LPDDR5X 273 GB/s
Graphics Interfaces	2x HDMI 2.1, 1x DP1.4a
Interfaces	1x Gigabit Ethernet (RJ45) 1x USB3.2 Type-C (with Recovery) 1x USB3.2 Type-C (with DP support) 1x Debug USB-C 1x QSFP28 (4x 25GbE) 1x RS-232/422/485 1x CAN Bus 2x Digital Input (12-24V compatible) 3x Digital Output (12-24V compatible) EEPROM, IMU, Temperature Sensor RTC (Coin Holder)
Wireless Communication	WiFi/Bluetooth/LTE/5G Connectivity by extension sockets
Power Supply	18-32V DC
Extension Sockets	1x M.2 Key-B 3042/3052 (USB3.0, USB2.0) 1x M.2 Key-E 2230 (PCIe x1, USB2.0) 1x Camera Expansion Connector (6x 2-Lane or 4x 4-Lane) 1x Expansion Header (I2C, I2S, SPI, UART, GPIO, CAN) FAN Connector (12V and 5V support)
Mass Storage	1x M.2 Key-M 2280 (PCIe Gen5 x4) 1x M.2 Key-M 2242 (PCIe Gen5 x2)
Ambient Conditions	-25°C ... +85°C
Form Factor / Dimensions	140x125mm
Operating Systems	Ubuntu Linux 24.04
JetPack Support	NVIDIA JetPack 7.0



Introducing the DSBOARD-THRMAX, FORECR's most advanced carrier board purpose-built for the groundbreaking NVIDIA Jetson T5000 platform. With a powerful 128GB LPDDR5X memory interface, high-speed PCIe Gen5 storage, and a wide array of I/O options including dual HDMI 2.1, 1x DP 1.4a, USB 3.2, QSFP+, and robust serial connectivity, this compact 140x125mm board is engineered to support the most demanding edge AI applications.

Built for seamless deployment in mission-critical environments, the DSBOARD-THRMAX integrates industrial - grade features including an operating range of -25°C to +85°C, ruggedized digital I/Os, CAN bus, and real-time sensor interfaces such as IMU and temperature monitoring. Its flexible expansion ecosystem supports WiFi, Bluetooth, LTE/5G modules, and high-bandwidth camera connectivity, while NVIDIA JetPack 7.0 and Ubuntu Linux 24.04 ensure optimal software compatibility.



Robotics



Autonomous
Systems



Transportation



Industrial
Automation



Smart City



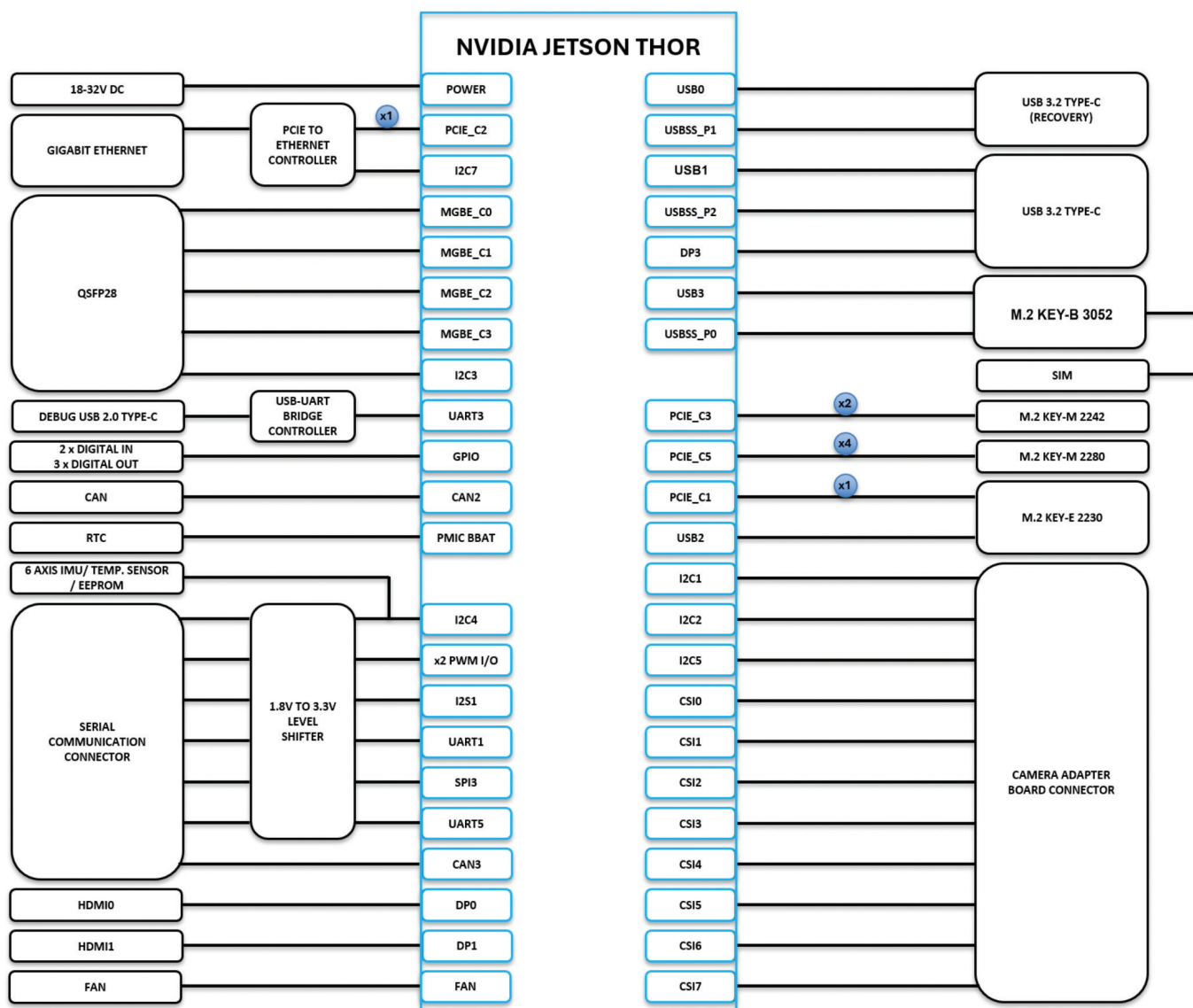
Energy



Preferred
Partner

NVIDIA JETSON THOR™ MODULE CARRIER BOARD

BLOCK DIAGRAM



Forecr OÜ (Reg No: 16578675)

VAT No: EE102592089
Sakala tn 7-2, Tallinn, 10141, Estonia

Forecr OÜ (Technopol Office)

Akadeemia tee 21/1 (II-floor), Room 219, 12618, Tallinn, Estonia

FORECR ELEKTRONIK LTD. STI. (R&D)

Gazi Üniversitesi Gölbaşı Yerleşkesi Teknokent Binası B Blok
No:10/50-B/23 06830 Gölbaşı / ANKARA / TURKEY

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