



DSBOARD-AGXMAX

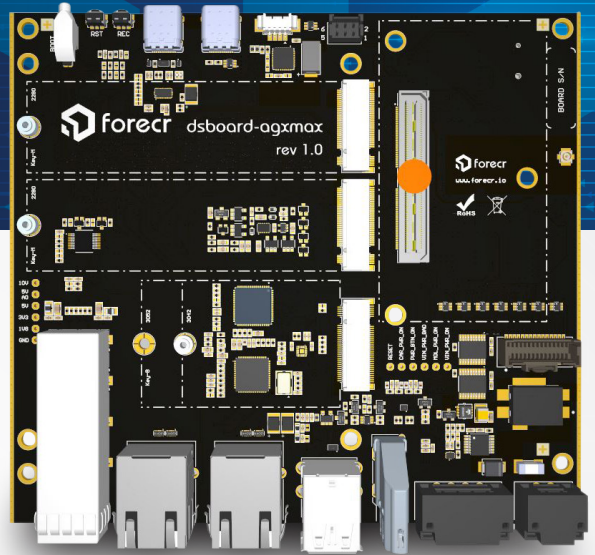
AGX ORIN CARRIER BOARD with 10G ETHERNET

HIGHLIGHTS

- › Maximizes productivity and connectivity
- › Powered by high-performance AGX Orin SoM
- › Offers top-of-the-line 10G connectivity
- › Dual Gigabit Ethernet, USB 3.2, HDMI, CAN
- › Reliable performance for industrial apps
- › Exceptional 275 TOPS of AI performance
- › Unparalleled convenience and flexibility
- › Robust construction, long-lasting reliability
- › Extended temperature range

TECHNICAL SPECIFICATIONS

Supported Modules	NVIDIA Jetson AGX Orin 32GB NVIDIA Jetson AGX Orin 64GB
Memory	32 GB 256-bit LPDDR5x 64 GB 256-bit LPDDR5x
Graphics Interfaces	1x HDMI 2.0(max resolution 3840x2160)
Interfaces	2x Gigabit Ethernet 1x 10G (SFP+Based) 2x USB 3.1 Type-A 1x CAN Bus 1x RS232/422/485 (software configurable) 2x USB-C (Debug/Recovery) 2x Digital Input, 3x Digital Output
Wireless Communication	On-board WiFi Chip LTE/5G Connectivity by extension sockets
Power Supply	12-32 VDC
Extension Sockets	1x M.2 Key-B, 1x SIM, 1x MicroSD, 1x 5V Fan 1x I2C, 2x UART, 1x I2S, 2x SPI, 1x CAN 1x Camera Connector (6 CSI camera support)
Mass Storage	64 GB eMMC 5.1 Flash 2x M.2 Key-M SSD Slot
Ambient Conditions	-25°C ... +85°C
Form Factor / Dimensions	140 mm x 125 mm, 132gr
Operating Systems	Ubuntu Linux 20.04
JetPack Support	JetPack 5.x (5.0.2 / 5.1)



Introducing the DSBOARD-AGXMAX, the industrial carrier board that is built to maximize your productivity and connectivity. Powered by the high-performance AGX Orin SoM, which can deliver up to 275 TOPS of AI performance, this board offers top-of-the-line 10G connectivity, as well as Dual Gigabit Ethernet, USB 3.2, HDMI, CAN, Serial Ports, and MIPI CSI-2 Camera support.

The AGX Orin SoM processor delivers exceptional performance for industrial applications that require high-speed data transfer, real-time communication, and reliable performance. Whether you're working on machine vision, robotics, automation, or any other industrial project, the DSBOARD-AGXMAX will deliver the power and versatility you need to get the job done.

With its easy-to-use design and extensive connectivity options, the DSBOARD-AGXMAX offers an unparalleled level of convenience and flexibility. And with its robust construction and long-lasting reliability, you can be confident that this carrier board will continue to meet your needs for years to come.



Transportation



Robotics



Smart Retail



Energy



Agriculture

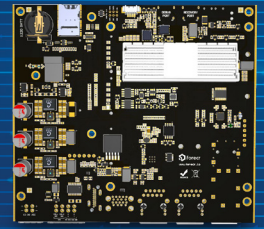


Autonomous Systems

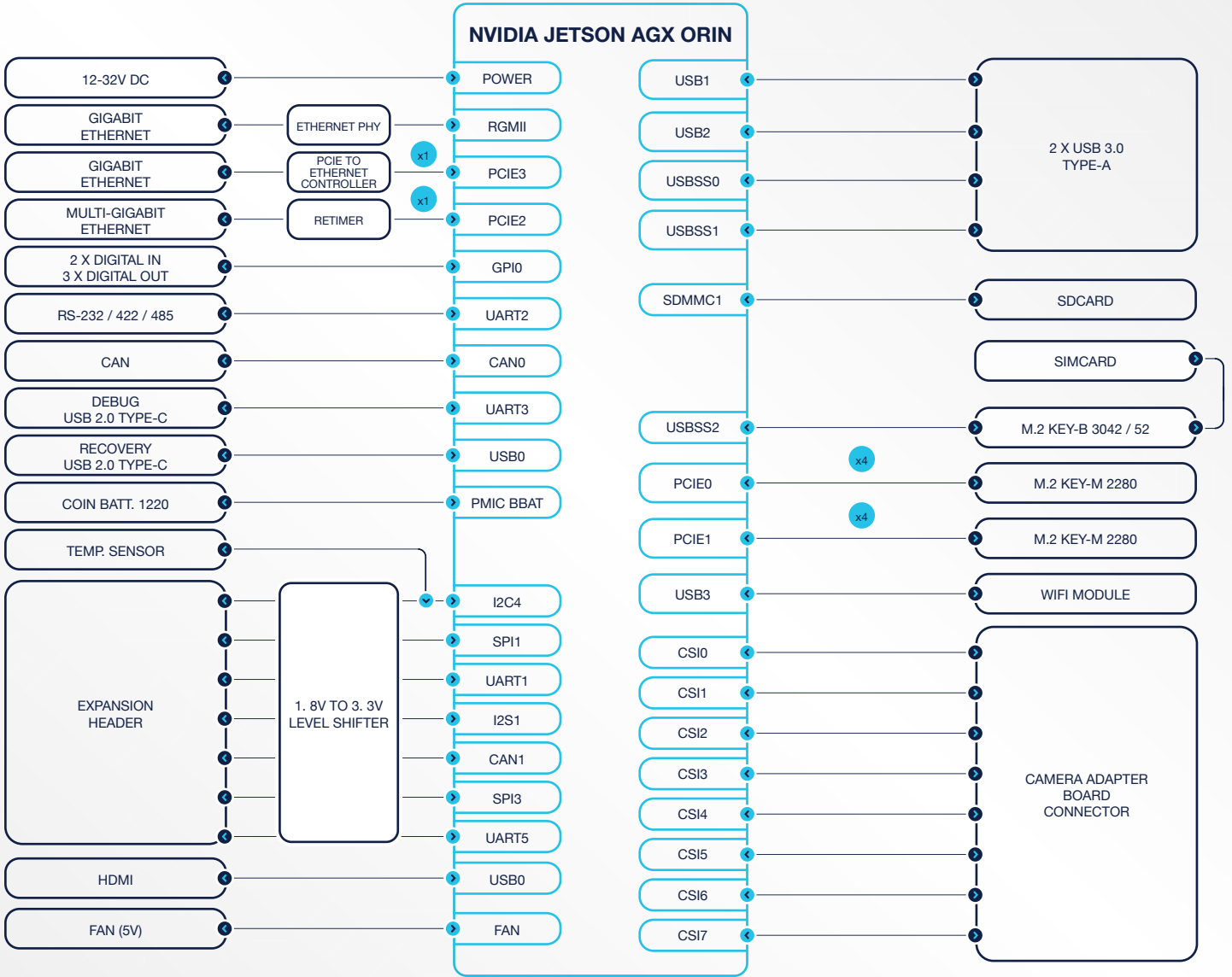


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BLOCK DIAGRAM



ORDERING INFORMATION

DSBOARD-AGXMAX-AA	DSBOARD-AGXMAX carrier board without SOM
DSBOARD-AGXMAX-AB	DSBOARD-AGXMAX carrier board with 32GB AGX Orin SOM
DSBOARD-AGXMAX-AC	DSBOARD-AGXMAX carrier board with 64GB AGX Orin SOM

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