



MILBOX-AGXMAX

RUGGEDIZED AGX ORIN COMPUTER WITH 10G ETHERNET



HIGHLIGHTS

- › Ultra-fast connectivity with built-in 10G Ethernet and multiple GbE ports for high-bandwidth data transfer.
- › Designed for rugged industrial and defense applications with versatile I/O options including RS-232/422/485 and CAN Bus.
- › Supports high-resolution video output through HDMI for advanced vision and display requirements.
- › Offers flexible expansion with dual M.2 Key-M slots and SD Card support
- › Integrated digital I/O interface (3.3V level) enables seamless integration with sensors, controllers, and automation systems.
- › Features a camera expansion connector for GMSL2, analog video, and other vision-based applications.
- › Offers 4x configurable BNC connectors

TECHNICAL SPECIFICATIONS

Supported Modules	NVIDIA Jetson AGX Orin 32GB NVIDIA Jetson AGX Orin 64GB NVIDIA Jetson AGX Orin Industrial
Memory	32 GB 256-bit LPDDR5x 64 GB 256-bit LPDDR5x
Graphics Interfaces	1x HDMI 1x 3G-SDI (Optional)
Interfaces	1x 10G 3x GBE 2x USB3.0 2x USB2.0 8x DIGITAL IO (3.3V LEVEL) 4x RS-232/422 2x CAN BUS 4x BNC (Configurable)
Wireless Communication	None
Power Supply	12-36 VDC (28 VDC Nominal)
Extension Sockets	1x Camera Expansion Connector (For Optional Gmsl2, Analog Video, Etc.)
Mass Storage	2x M.2 KEY-M 2280 1x SD-CARD
Ambient Conditions	-25°C ... +70°C (-40°C for Industrial Module)
Form Factor / Dimensions	300mm x 225mm x 100mm, 5292gr
Operating Systems	Ubuntu Linux 20.04 / 22.04
Designed to Meet	MIL-STD-1275/704, MIL-STD-810 MIL-STD-461, IP67
JetPack Support	JetPack 5.x / 6.x

The MILBOX-AGXMAX is engineered for mission-critical edge AI applications where performance, reliability, and connectivity matter most. Featuring 10G Ethernet alongside multiple Gigabit ports, it delivers exceptional bandwidth for high-speed data processing and real-time decision-making. With a wide range of industrial-grade interfaces—including RS-232/422/485, CAN Bus, and digital I/O—the MILBOX-AGXMAX ensures seamless integration into complex systems across defense, aerospace, and industrial automation. Its dual M.2 expansion slots, SD card support, and camera expansion connector provide unmatched flexibility for storage, vision, and sensor fusion. Built to withstand demanding environments, the MILBOX-AGXMAX empowers innovators to push the boundaries of AI at the edge with uncompromising speed and durability.



Defense



Aerospace



Marine



Transportation

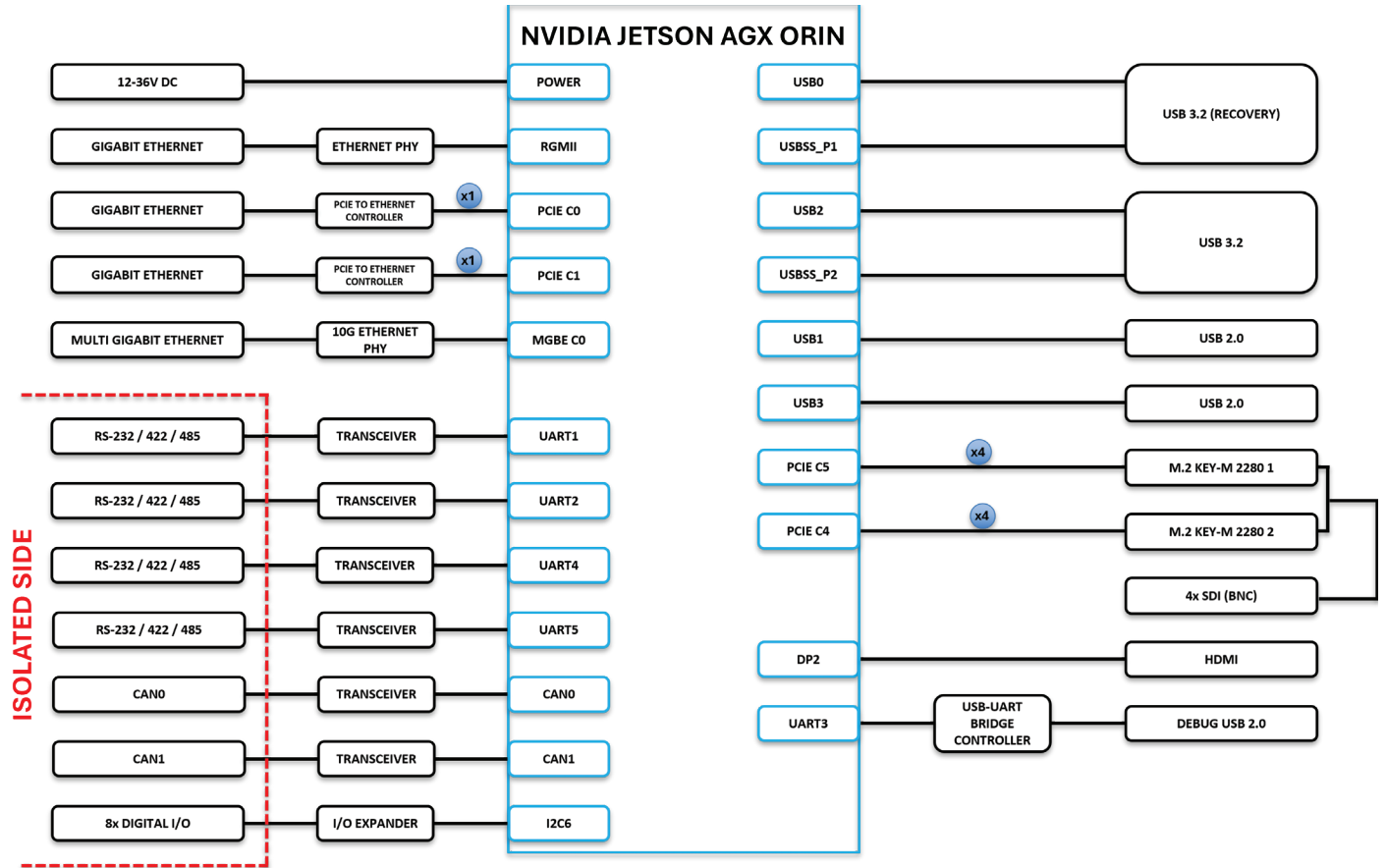


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BLOCK DIAGRAM



FOR ORDERING



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