MILBOX-AGX-SDI

RUGGEDIZED AGX ORIN COMPUTER WITH SDI SUPPORT

HIGHLIGHTS

- AI Ready for deep neural networks (275 TOPS)
- Versatile Video Input with 4x SDI
- 4x Gigabit Ethernet ports
- Military-Grade Rugged Design
- Rich Connectivity Options
- Wide Power Input Range
- Reliable Power Efficiency

Introducing our latest military grade ruggedized computer, powered by the cutting-edge AGX Orin SoM technology. This compact and powerful device is designed to withstand the toughest environments, making it the perfect solution for military, industrial, and other demanding applications. With 4x Gigabit Ethernet ports, USB3.2, HDMI, 2x CAN, 4x RS- 232, 4x RS-422 and 4x SDI video input this ruggedized computer offers unparalleled connectivity options. Our ruggedized computer is built to last, with a ruggedized chassis that can withstand extreme temperatures, shocks, and vibrations. You can rely on this device to operate reliably in the most challenging environments. Whether you're in the military, working in industrial settings, or need a reliable computing solution for outdoor applications, our ruggedized computer is the ideal choice. With its powerful performance, rugged design, and extensive connectivity options, this device is sure to exceed your expectations.

Defense

Aerospace

Marine

Transportation

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 4x SDI Video Input
Interfaces	4x Gigabit Ethernet 1x USB 3.1 2x USB 2.0 1x USB 2.0 (Serial Console) 2x CAN Bus 4x RS232 4x RS422
Wireless Communication	None
Power Supply	12-36 VDC (28 VDC Nominal)
Extension Sockets	None
Mass Storage	64 GB eMMC 5.1 Flash 1x M.2 Key-M SSD Slot (occupied) SD Card
Ambient Conditions	-25°C ... +85°C (-40°C for Industrial Module)
Form Factor / Dimensions	30cm x 24cm x 10cm, 5292gr
Operating Systems	Ubuntu Linux 20.04 / 22.04
Operating Humidity	5% - 95% (Non-Condensing)
Designed to meet	MIL-STD-1275/704, MIL-STD-810 MIL-STD-461, IP67
JetPack Support	JetPack 5.x / 6.x

RoHS COMPLIANT

NVIDIA Elite Partner

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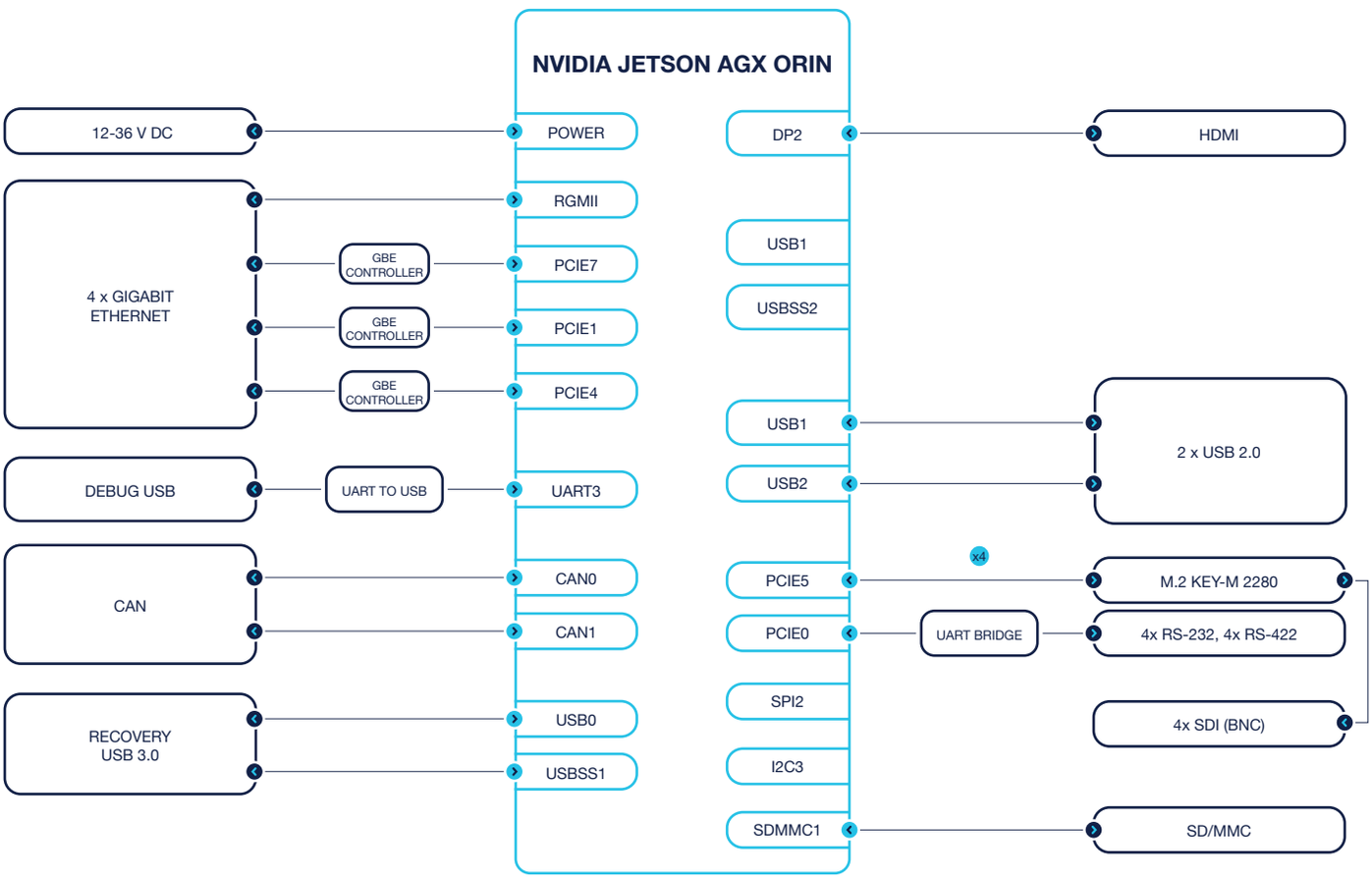
BLOCK DIAGRAM



FOR ORDERING

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