



PART NUMBER: AGX203

Rogue-RX Carrier for Jetson AGX Orin™ is a full featured carrier board specifically designed for rugged and harsh environments

Rogue-RX Carrier for Jetson AGX Orin™ provides rugged positive locking high-speed connectors for 10GBASE-T, USB 3.2 Gen2 and HDMI. As well as a positive locking discrete wire/pin header for UART, I2C, SPI, CAN and GPIO



Rugged camera add-on expansion boards are available for various camera inputs for: 3G-SDI/HD-SDI, GMSL, FPD-Link III, HDMI Input and direct MIPI Input

FEATURES

- ✓ 10GBASE-T w/ Rugged Positive Locking Connectors
- ✓ USB 3.2 Gen 2 w/ Rugged Positive Locking Connectors
- ✓ Industrial Operating Temperature: -40°C to +85°C
- ✓ 2x NVMe PCIe Gen3 M.2 Key-M 2280 Slots

SPECIFICATIONS

Compatibility	NVIDIA Jetson AGX Orin & AGX Orin Industrial*	Display Output	1x HDMI 2.1 8K60 Capable with Samtec AcceleRate® Rugged Positive Locking Connector
Networking	2X 10GBASE-T (10G Ethernet) with ix Industrial™ Rugged Positive Latching connectors	Storage	2x NVMe PCIe Gen3 M.2 Key-M 2280 Slots 1x Micro SD Slot
USB	2x USB 3.2 Gen2 10Gbps with Samtec AcceleRate® Rugged Positive Locking Connectors 1x USB 3.2 Gen2 10Gbps (OTG Capable) Type-C	I2C/SPI	1x I2C Channel @ 3.3V IO 1x SPI Channel @ 3.3V IO
UART	2x @3.3V Levels UART0 and UART1 Micro USB Debug UART	GPIO	4 bits of 3.3V (level shifted GPIO)(1PWM)
CAN	2x CAN 2.0b Ports (Non-Isolated)	Input Power	+12VDC Input Only Positive Locking Molex Mini-Fit Jr.
User Expansion	1x M.2 Key E Slot with PCIe & USB (Wifi + BT Modules)	RTC Battery	3-pin Picoblade connector to accept CTI Battery cable assembly
Buttons	Power, Reset, Recovery (Tactile Buttons as well as fine pitch pin header connector)	Camera Inputs	16-lanes MIPI CSI-2 via high-density camera connector breakout. Add-on expansion boards are available for: 3G-SDI/HD-SDI, GMSL, FPD-Link III, HDMI Input and direct MIPI Input
PCB/Electronics Mechanical Info	92mm x 108.2mm	Operating Temperature	-40°C to +85°C (-40°F to +185°F)

RoHS

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