



PART NUMBER: AGX207

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

Rogue-RX XP 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, RS-232, I2C, CAN & GPIO



Rugged camera add-on expansion boards are available to connect directly with high-density MIPI CSI interfaces.

## FEATURES

- ✓ 10GBASE-T w/ Rugged Positive Locking Connectors
- ✓ USB 3.2 Gen 2 w/ Rugged Positive Locking Connectors
- ✓ Wide Range +10V to +36V DC Power Input
- ✓ Industrial Operating Temperature: -40°C to +85°C
- ✓ 2x NVMe PCIe Gen4 M.2 Key-M 2280 Slots

## SPECIFICATIONS

<b>Compatibility</b>	NVIDIA® Jetson AGX Orin™ & Jetson AGX Orin™ Industrial	<b>Display Output</b>	1x HDMI 2.0 Capable with ARF6 High-speed Rugged Latching connector
<b>Networking</b>	2X 10GBASE-T (10G Ethernet) with ix Industrial Rugged Positive Latching connectors	<b>Storage</b>	2x NVMe PCIe Gen4 M.2 Key-M 2280 Slots 1x Micro SD Slot
<b>USB</b>	2x USB 3.2 Gen2 10Gbps with Samtec AcceleRate® Rugged Positive Latching Connectors 1x USB 3.2 Gen2 10Gbps (OTG Capable) Type-C	<b>I2C/RS232</b>	1x 3.3V I2C on GPIO Connector 2x RS-232 on GPIO Connector
<b>UART</b>	2x 3.3V Level UARTs on GPIO Connector 1x Micro USB Debug UART	<b>GPIO</b>	6 bits of 3.3V (level shifted GPIO)(1PWM)
<b>CAN</b>	2x CAN FD Port (Non-Isolated) on GPIO connector	<b>Input Power</b>	+10 to +36V DC Wide Input (6 pin Mini-fit Jr Connector)
<b>User Expansion</b>	1x M.2 Key E Slot with PCIe & USB2 (Wi-Fi + BT Modules)	<b>RTC Battery</b>	3-pin Picoblade connector to accept CTI Battery cable assembly
<b>Camera Inputs</b>	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	<b>PCB/Electronics Mechanical Info</b>	125mm x 108.7mm
<b>Weight</b>	147g (includes PHY heatsink)	<b>Operating Temperature</b>	-40°C to +85°C (-40°F to +185°F)

## RoHS

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