Connect Tech

ROGUE-T5 CARRIER BOARD

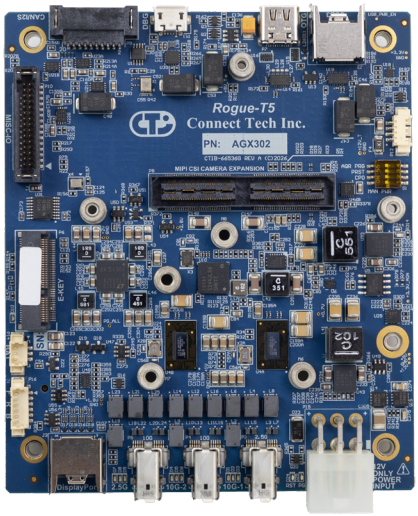
FOR NVIDIA® JETSON THOR™ T5000

PART NUMBER: AGX302

Rogue-T5 Carrier Board is a full-featured carrier board specifically designed for commercially deployable platforms built for the powerful Jetson Thor™ T5000.

Rogue-T5 combines high-speed networking, robust vision support, and flexible expansion. Ruggedized connectors, multi-lane MIPI CSI-2, and DisplayPort enable reliable sensor and display integration, while NVMe storage and USB 3.2 keep data moving fast.

NVIDIA Elite Partner



With broad industrial I/O and a compact, wide-temperature design, this robust carrier board is ready for complex systems in harsh environments.

FEATURES

- ✓ Dual 10GBASE-T (10G Ethernet)
- ✓ 16 lanes MIPI CSI-2 with camera breakout board
- ✓ Dimensions: 92mm x 107mm
- ✓ USB 3.2 Gen2, NVMe M.2 Key M, CAN, I2C, UART

SPECIFICATIONS

Compatibility	NVIDIA® Jetson Thor™ T5000	**Dimensions**	92mm x 107mm
Ethernet	2x 10GBASE-T (10G Ethernet) and 1x 2500BASE-T (2.5G Ethernet) with IX Industrial Rugged Positive Latching Connectors	**Camera Inputs**	16-Lanes MIPI CSI-2 via high-density camera connector breakout
Display Output	1x DisplayPort – Rugged Locking High-Speed Samtec ARF6 Connector XBG037 Breakout Board used to breakout to standard DisplayPort connector	**USB**	1x USB 3.2 USB Gen2 10Gbps (Type-C w/ OTG) 1x USB 3.2 USB Gen2 10Gbps (Rugged Locking High-Speed Samtec ARF6 Connector) XBG026 Breakout Board used to breakout to standard USB-C connector
Storage	1x NVMe PCIe M.2 Key-M 2280	**Input Power**	+12V DC Input Power Only (Positive Locking 6-pin Molex Mini-Fit Jr Header)
Debug USB UART	1x Micro USB UART Port	**Misc IO**	2x UART (3.3V UART0 and UART1) 1x I2C (3.3V) 2x RS-232 (UART4 and UART5) 3x GPIO (3.3V level shifted) 1x PWM (3.3V level shifted) 1x I2S (1.8V)
CAN Bus	4x CAN 2.0b Ports on TFM Connector	**User Expansion**	1x M.2 Key E Slot with PCIe & USB (Wi-Fi + BT Modules)
RTC Battery	1x 3-pin Molex PicoBlade Connector	**Mechanical Information**	92mm x 108mm (3.62" x 4.25")
Operating Temperature	-40°C to +85°C (-40°F to +185°F)	**Weight**	TBD

RoHS

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