

Rogue-T5 Carrier Board is a full-featured carrier board specifically designed for commercially deployable platforms built for the powerful NVIDIA® Jetson T5000/T4000.



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.



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

FEATURES

- ✓ 2x10GBASE-T (10G Ethernet);
1x 2.5GBASE-T (2.5G Ethernet)
- ✓ Dimensions: 92mm x 107mm
- ✓ MIPI CSI-2, GMSL SDI/HD-SDI or
FPD-Link III with camera breakout
board
- ✓ USB 3.2 Gen2, NVMe M.2 Key M,
CAN, I2C, UART

SPECIFICATIONS

Compatibility	NVIDIA® Jetson T5000 NVIDIA® Jetson T4000	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/RS-422/RS-485 (UART4 and UART5) 3x GPIO (3.3V level shifted) 1x PWM (3.3V level shifted) 1x I2S Audio (1.8V)
CAN Bus	4x CAN 2.0b Ports on TFM Connector	User Expansion	1x M.2 Key E Slot with PCIe & USB (WiFi + BT)
RTC Battery	1x 3-pin Molex PicoBlade Connector	TPM	1x TPM2.0 (SLB9672)
Mechanical Information	92mm x 108mm (3.62" x 4.25")	Operating Temperature	-40°C to +85°C (-40°F to +185°F)