

Anvil-RX takes rugged AI and high compute performance to new heights.

Connect Tech's Anvil-RX is a rugged embedded system powered by the NVIDIA® Jetson AGX Orin™. Fully IP67 rated, with M12 and sealed PC connectors, this powerful edge system can be deployed for mission critical applications in harsh environments. The Anvil-RX is ideal for AMR, robotics, agriculture, and industrial applications.



FEATURES

- ✓ IP67 Rated
- ✓ 8x GMSL2 Camera Inputs
- ✓ 2x 10GBASE-T Ethernet (10Gbe)
- ✓ 2x 1000BASE-T Ethernet (1Gbe)
- ✓ Optional WiFi 6e/5G/RTK GNSS
- ✓ Rugged M12 Connectors
- ✓ Up to 16TB NVMe Storage
- ✓ 2x 10GbE, 2x 2.5GbE, 2x USB 3.2, 2x CAN, HDMI, UART, GNSS

SPECIFICATIONS

AI Compute	NVIDIA® Jetson AGX Orin™ 32GB NVIDIA® Jetson AGX Orin™ 64GB NVIDIA® Jetson AGX Orin™ Industrial	AI Performance	Jetson AGX Orin™ 32GB: 200 TOPS Jetson AGX Orin™ 64GB: 275 TOPS Jetson AGX Orin™ Industrial: 248 TOPS
GPU	Jetson AGX Orin™ Industrial, Jetson AGX Orin™ 64GB: 2048-core NVIDIA® Ampere architecture GPU with 64 Tensor Cores Jetson AGX Orin™ 32GB: 1792-core NVIDIA® Ampere architecture GPU with 56 Tensor Cores	CPU	Jetson AGX Orin™ Industrial, Jetson AGX Orin™ 64GB: • 12-core Arm® Cortex®-A78AE v8.2 64-bit CPU • 3MB L2 + 6MB L3 Jetson AGX Orin™ 32GB: • 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU • 2MB L2 + 4MB L3
Memory	Jetson AGX Orin™ 32GB: 32GB 256-bit LPDDR5 - 204.8GB/s Jetson AGX Orin™ 64GB: 64GB 256-bit LPDDR5 - 204.8GB/s Jetson AGX Orin™ Industrial: 64GB 256-bit LPDDR5 (+ ECC) - 204.8GB/s	Serial Interfaces	• 2x UART (RS232/422/485 configurable) • 1x I2C Channel @ 3.3V IO • 1x SPI Channel @ 3.3V IO • 1x Debug UART @ 3.3V IO • 2x CAN Bus ports
Storage	• 64GB eMMC (on Jetson Module) • Up to 2x NVMe (2/4/8TB)	USB	2x USB 3.2 Ports (10Gbps Capable) • Sealed Connector
Camera Inputs	8x GMSL2 Camera Inputs (NOVA Orin Compliant)	Video Output	1x HDMI (Sealed Connector)
Networking	• 2x 10GBASE-T (10GbE) with optional PoE module • 2x 2500BASE-T (2.5GbE) • Connector: 4x M12 X-Code	GPIO	• 8x GPIO 3.3V Input/Output Capable pins • 2 x PWM Outputs @ 3.3V IO • 1x 3.3V Output @1A
Wireless	• Dual Band WiFi 6E + BT 5.2 • 5G/LTE (optional) • RTK GNSS (optional)	Input Power/Misc Power Details	+18V to +60V (+9V to +60V and +9V to +36V options available)
Dimensions	279mm x 214mm x 145mm (10.98" x 8.43" x 5.71")	Trusted Platform Module (TPM)	SLB9670 TPM2.0 Chipset
Weight	TBD	Operating Temperature	-40°C to +65°C (-40°F to +149°F)
Warranty and Support	1 Year Warranty and Free Support		

