



## 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 Storage
- ✓ 2x 10GbE, 2x 2.5GbE, 2x USB 3.2, 2x CAN, HDMI, UART, GNSS

## SPECIFICATIONS

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



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