Connect Tech

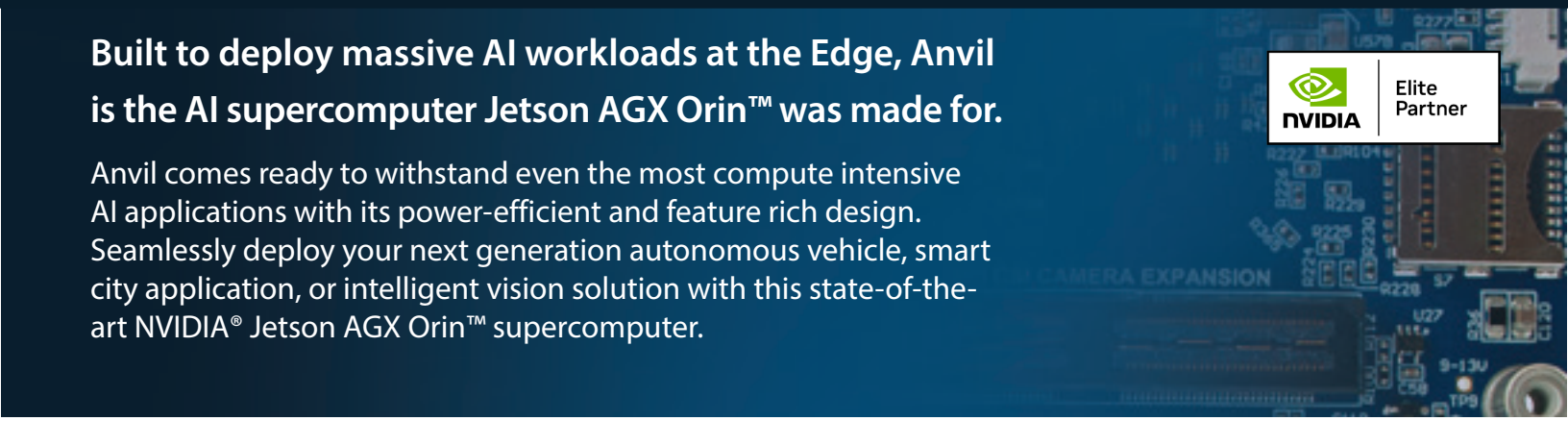
ANVIL EMBEDDED SYSTEM

FOR NVIDIA® JETSON AGX ORIN™

PART NUMBER: ESG620 & ESG621

Built to deploy massive AI workloads at the Edge, Anvil is the AI supercomputer Jetson AGX Orin™ was made for.

Anvil comes ready to withstand even the most compute intensive AI applications with its power-efficient and feature rich design. Seamlessly deploy your next generation autonomous vehicle, smart city application, or intelligent vision solution with this state-of-the-art NVIDIA® Jetson AGX Orin™ supercomputer.





Field-ready for instant deployment with the NVIDIA® Jetson AGX Orin™. Featuring both active and passive cooling options.

FEATURES

- ✓ 2x 10GBASE-T Ethernet (RJ-45)
- ✓ Optional GMSL2, FPD LINK III, or HD-SDI connectivity
- ✓ 2x USB 3.2, 2x GbE
- ✓ 2x NVMe M.2 Key M Slots
- ✓ Commercially deployable NVIDIA® Jetson AGX Orin™ platform

SPECIFICATIONS

Compatibility	Pre-integrated with NVIDIA® Jetson AGX Orin™ 32GB or 64GB	**AI Performance**	200 TOPs (AGX Orin 32GB) 275 TOPs (AGX Orin 64GB)
GPU	1792-core NVIDIA Ampere with 56 Tensor Cores (AGX Orin 32GB) 2048-core NVIDIA Ampere with 64 Tensor Cores (AGX Orin 64GB)	**CPU**	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3 (AGX Orin 32GB) 12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3 (AGX Orin 64GB)
Memory	32GB, 64GB	**Dimensions**	206 mm x 163 mm x 94 mm (8.1" x 6.4" x 3.7")
Display Output	1x Display Port	**Networking**	2x 1GbE, 2x10GbE
Camera Inputs	Interface directly to a range of optional MIPI CSI, GMSL2, FPD-Link III or HD-SDI image sensors.	**USB**	1x USB 3.2 Ports (Type-C) 1x USB 3.2 Ports (Type-C - OTG Capable)
Wireless / Misc Expansion [1]	1x M.2 Key E 2230 Wifi/BT (PCIe/USB2) 1x M.2 Key B 3042/3052 (LTE/5G - USB3) with Micro SIM	**Storage**	64 GB internal eMMC 5.1 2x M.2 Key M 2280 NVMe (4 lane PCIe Gen3) 1x Micro SD Slot
CAN	2x CAN 2.0b Non-Isolated Port	**MISC / IO Connector**	4x 3.3V GPI Inputs 6x 3.3V GPO Outputs (2xPWM Capable) 1x 3.3V Power Pin at 1A
Weight	2.31kg (5.1 lbs)	**Input Power**	+10 to 36V DC Input
Operating Temperature [2]	-25°C to + 60°C (-13°F to +140°F)	**Warranty and Support**	1 Year Warranty and Free Support

RoHS

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