Connect Tech

RUDI-AGX EMBEDDED SYSTEM

POWERED BY NVIDIA® JETSON AGX XAVIER™

Built to deploy massive AI workloads at the Edge, Rudi-AGX is the AI supercomputer guaranteed to stay cool - even at AGX Xavier's MAX-N.

Don't sacrifice AI performance due to thermal limitations. Rudi-AGX can 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 Xavier supercomputer.

NVIDIA ELITE PARTNER

Field-ready for instant deployment with any program developed using NVIDIA's JetPack SDK or deep learning toolkit application.

FEATURES

✓ Expandable storage via NVMe and/or SD card

✓ Direct connection of 8x GMSL cameras

✓ Quickly integrate WiFi, Bluetooth, LTE, and video capture card

✓ 2x HDMI output and 4x USB for robust and flexible deployment

SPECIFICATIONS

Compatibility	Pre-integrated with NVIDIA® Jetson AGX Xavier™	**AI Performance**	32 TOPs
GPU	512-core NVIDIA Volta™ GPU with 64 Tensor Cores	**CPU**	8-core NVIDIA Carmel ARM™ v8.2 64-bit CPU 8MB L2 + 4MB L3
Memory	32 GB 256-bit LPDDR4x, 136.5GB/s	**Dimensions**	177.8mm (w) x 107.95mm(h) x 177.8mm (d) 7" (w) x 4.25" (h) x 7" (d)
Display Output	2x HDMI 2.0	**Networking**	2x 10/100/1000 BASE-T Ethernet
GMSL Camera Inputs	8x GMSL 1/2 Camera Inputs (MIPI CSI-2 Access to Jetson)	**USB**	4x USB 3.0 Ports (Type-A) 1x USB OTG (Type-C)
Wireless / Misc Expansion [1]	1x LTE - M.2 B-Key (USB 3.0 + USB 2.0, 3042) 1x WiFi/Bluetooth - M.2 E-Key (PCIe x 1 + USB, 2230) 1x M.2 M-Key (PCIe x 4, 2280)	**Storage**	32 GB internal eMMC 5.1 1x NVMe Expansion (M.2 M-key (PCIe x 4, 2280)) 1x Full Sized SD Card Slot
CAN	2x Isolated CAN 2.0b Port	**MISC / IO Connector**	2x UART, 1x RS-485, 2x I2C, 2x SPI, 6x GPIO, +5V Output, +3.3V Output
Weight	3.22kg (7.1 lbs)	**Input Power**	+9 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

[1] M.2 M-Key can be used for Storage or for Video Capture Cards

[2] Operating temperature as described when running in 30W Mode with 0 CFM airflow before throttling. Running at MAX-N requires minimum airflow of 125 CFM before throttling.

RoHS