



Harnessing the Jetson Orin™ NX and built for robotics, smart city and autonomous machines, the rugged Polaris system provides a wide range of connectivity in an IP67 rated package.



ELITE PARTNER



Polaris is ideal for deployable computer vision and deep learning applications in rugged environments

FEATURES

- ✓ IP67 Rated, Actively or Passively Cooled
- ✓ Rugged M12: 2x GbE, 2x CAN, GPIO, wide-range isolated power input
- ✓ 2x USB3.1, 4x GMSL2 via sealed FAKRA connectors
- ✓ 4G/5G/LTE, WiFi/BT, GNSS, M.2 2280 NVME M-Key

SPECIFICATIONS

Compatibility	Pre-integrated with Jetson Orin™ NX	GPU	1024-core NVIDIA Ampere architecture GPU
CPU	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU	Video Decode	1x 8K30 (H.265), 2x 4K60 (H.265), 4x 4K30 (H.265) 9x 1080p60 (H.265), 18x 1080p30 (H.265)
Memory	16GB 128-bit LPDDR5 - 102.4GB/s	Storage	2280 NVMe M.2
Video Encode	1x 4K60 (H.265), 3x 4K30 (H.265), 6x 1080p60 (H.265), 12x 1080p30 (H.265)	Display Output	1x HDMI 1.4
CAN	2x CAN FD Port	User Expansion	4x GMSL2 4G/5G/LTE, WiFi/BT, GNSS, M.2 2280 NVME M-Key
Networking	2x Gigabit Ethernet (10/100/1000 Mbps)	Dimensions	285mm x 150mm x 70mm (11.22" x 5.91" x 2.76")
USB	2x USB 3.1	Operating Temperature	-20°C to +80°C (-4°F to +176°F)
Input Power	Wide range isolated power input (+18V - +48V)		