



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.



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

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



Authorized Distributor

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