- Small form factor NVIDIA® Jetson Xavier™ NX supports up to 21 TOPS AI performance
- Advanced NVIDIA Volta™ architecture with 384 NVIDIA® CUDA® cores and 48 Tensor cores
- Fanless -20°C to 70°C operation
- 4 GigE LAN with 2 PoE®, 4 USB 3.1, 1 Digital Display
- Supports 4 GMSL2 automotive cameras with Fakra-Z
- M.2 for 5G/4G/LTE/WiFi/BT/GPRS/UMTS
- Storage: M.2 PCIe NVMe SSD, External Micro SD
- DC 9V to 50V wide range power input
- Support 24/7 secure remote monitoring, control, and OTA deployment empowered by Allxon
**Specifications**

**System**
- CPU: 6-core NVIDIA Carmel ARM® v8.2 64-bit CPU
- GPU: 384-core NVIDIA Volta™ GPU with 48 Tensor Cores
- DL Accelerator: 2x NVMLDA Engines
- Memory: 1 LPDDR4x DRAM, 8GB
- Software Support: - Linux - NVIDIA JetPack SDK

**I/O Interface**
- USB: 4 USB 3.1 Type A
- Serial: 2 COM RS-232/485
- CAN Bus (EAC-2100): 1 CAN Bus 2.0 A/B
- Micro USB: - 1 Micro USB console debug port - 1 Micro USB OTG flash port
- Button: - 1 User-Define Button - 1 Force Recovery Button
- LED: 2 PoE, 2 User Programming
- SIM: 1 Nano SIM Card Socket
- Antenna: 6 Antenna for 5G/WiFi/4G/LTE/GPRS/UMTS

**Expansion**
- M.2: - 1 M.2 Key B Socket (3042/3052, PCIe/USB3) - 1 M.2 Key E Socket (2230, PCIe/USB)

**Graphics**
- Interface: 1 Digital Display, up to 3840 x 2160 @60Hz
- Video Encode: - HEVC: Up to 2x2160p @60, 4x2160p @30, 10x1080p @60, 22x1080p @30 - H.264: Up to 2x2160p @60, 4x2160p @30, 10x1080p @60, 20x1080p @30
- Video Decode: - HEVC: Up to 2x4320p @30, 6x2160p @60, 12x2160p @30, 22x1080p @60, 44x1080p @30 - H.264: Up to 2x2160p @60, 6x2160p @30, 10x1080p @60, 22x1080p @30

**Camera (EAC-2100)**
- GMSL: 4 Fakra-Z connectors for GMSL 1/2 automotive cameras

**Storage**
- M.2: 1 M.2 Key M Socket (2280, PCIe x1)
- eMMC: 1 eMMC 5.1, 16GB
- SD: 1 Micro SD (External)

**Ethernet**
- LAN 1: 10/100/1000 Base-T Ethernet GigE LAN, RJ45 Connector
- LAN 2: 10/100/1000 Base-T Ethernet GigE LAN, RJ45 Connector
- PoE: - LAN 3: IEEE 802.3at (25.5W/48V) GigE PoE™ LAN, RJ45 Connector - LAN 4: IEEE 802.3at (25.5W/48V) GigE PoE™ LAN, RJ45 Connector

**Power**
- Power Input: DC 9V to 50V
- Power Interface: 3-pin Terminal Block : V+, V-, Frame Ground

**Mechanical**
- Dimensions: EAC-2000: 150.4mm x 106.2mm x 50.0mm (5.92" x 4.18" x 1.97") EAC-2100: 150.4mm x 106.2mm x 62.0mm (5.92" x 4.18" x 2.44")
- Weight: EAC-2000: 1.2 kg (2.6 lb) EAC-2100: 1.3 kg (2.9 lb)
- Mounting: - Wallmount by mounting bracket - DIN Rail Mount (Optional)

**Environment**
- Operating Temp.: EAC-2000: 15W TDP: -20°C to 65°C (-4°F to 149°F) 10W TDP: -20°C to 70°C (-4°F to 158°F) EAC-2100: 15W TDP: -20°C to 60°C (-4°F to 140°F) 10W TDP: -20°C to 65°C (-4°F to 149°F)
- Storage Temp.: -40°C to 85°C (-40°F to 185°F)
- Humidity: 5% to 95% Humidity, non-condensing
- Relative Humidity: 95% @70°C
- Vibration: Operating, MIL-STD-810G, Method 514.7, Procedure I, Category 4

**Order Information**

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Platform</th>
<th>LAN PoE</th>
<th>USB 3.1</th>
<th>M.2</th>
<th>Serial</th>
<th>SIM</th>
<th>GMSL</th>
<th>CAN</th>
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<tbody>
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<td>Jetson Xavier NX</td>
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<tr>
<td>EAC-2100</td>
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<td>4</td>
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</tbody>
</table>

**Accessories**
- PWA-120W1: 120W, 24V, 50V AC to 264V AC Power Adapter with 3-pin Terminal Block
- PWA-160W-WT: 160W, 24V, 85V AC to 264V AC Power Adapter with 3-pin Terminal Block, Wide Temperature -30°C to +70°C
- DIN-RAIL: DIN Rail Kit
- GMSL Camera Kit: GMSL Camera with Fakra-Z connector
- M.2 Storage Module: M.2 Key M/Key E PCIe Storage Module
- 5G Module: 5G Module with Antenna
- 4G Module: 4G/GPS Module with Antenna
- WiFi & Bluetooth: WiFi & Bluetooth Module with Antenna

**Dimensions & Drawing**

**EAC-2000**

**EAC-2100**