- Compact NVIDIA® Jetson AGX Xavier™ supports workstation-grade up to 32 TOPS AI performance with rich AI tools and workflows
- NVIDIA Volta architecture with 512 NVIDIA® CUDA® cores and 64 Tensor cores
- DC 9V to 50V wide range power input, Ignition Power Control
- 5 GigE LAN with 4 PoE+, 4 USB 3.0, 2 Digital Display
- Supports 8 GMSL2 automotive cameras with Fakra-Z
- 2 Isolated CAN Bus support Flexible Data-rate, 2 COM RS-232/422/485
- M.2 supports 5G/4G/LTE/WiFi/BT/GPS
- Support 24/7 secure remote monitoring, control, and OTA deployment empowered by Allxon
Specifications

System
CPU 8-core NVIDIA Carmel ARM® v8.2 64-bit CPU
GPU NVIDIA Volta architecture with 512 NVIDIA CUDA® cores and 64 Tensor cores
DL Accelerator 2x NVDLA Engines
Memory 1 LPDDR4x DRAM, Up to 64GB
OS Linux Ubuntu 18.04 with JetPack

I/O Interface
USB 4 USB 3.0 Type A
Serial 2 COM RS-232/422/485
CAN Bus 2 isolated CAN Bus support CAN FD
Micro USB - 1 Micro USB console debug port - 1 Micro USB OS flash port
Button - 1 Power Button - 1 Force Recovery Button - 1 Reset Button
LED Power, HDD, 2 User Programmable
SIM 2 SIM Card Socket
Antenna 6 Antenna for WiFi/4G/5G/LTE/GPRS/UMTS

Expansion
M.2 - 1 M.2 Key B Socket (3042/3052) - 1 M.2 Key E Socket (2230)

Graphics
Interface 2 Digital Display, up to 4Kx2K @30Hz
Video Encode - HEVC : Up to 4x8K @60, 8x4K @30, 16x1080p @60, 32x1080p @30 - H.264 : Up to 4x4K @60, 8x4K @30, 14x1080p @60, 30x1080p @30
Video Decode - HEVC : 2x8K @30, 6x4K @60, 12x4K@30, 26x1080p @60, 52x1080p @30 - H.264 : 4x4K @60, 8x4K @30, 16x1080p @60, 32x1080p @30

Camera
GMUSL 8 Fakra-Z connectors for GMSL 1/GMSL 2 automotive cameras

Storage
M.2 1 M.2 Key M Socket (2280)
eMMC 1 eMMC 5.1, 32GB
SD 1 Micro SD (External)

Ethernet
LAN 1 10/100/1000 Base-T Ethernet GigE LAN, RJ45 Connector

PoE
LAN 2 to LAN 5 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
Ignition Control 16-mode Software Ignition Control
Remote Switch 3-pin Remote Switch Terminal Block

Mechanical
Dimensions 212.6mm x 149.0mm x 60.4mm (8.37" x 5.87" x 2.38")
Weight 2.4 kg (5.29 lb)
Mounting - Wallmount - DIN Rail Mount (Optional)

Environment
Operating Temp. 30W TDP Mode : -20°C to 70°C (-4°F to 158°F)
MAX TDP Mode : -20°C to 50°C (-4°F to 122°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
Shock Operating, MIL-STD-810G, Method 516.7, Procedure I
Vibration Operating, MIL-STD-810G, Method 514.7, Procedure l, Category 4
EMC CE, FCC, EN50155, EN50121-3-2

Order Information

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Platform</th>
<th>RAM</th>
<th>LAN</th>
<th>PoE</th>
<th>USB</th>
<th>M.2</th>
<th>Serial</th>
<th>SIM</th>
<th>CAN</th>
<th>GMSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAC-3000-R64</td>
<td>Jetson AGX Xavier</td>
<td>64GB</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EAC-3000-R32</td>
<td></td>
<td>32GB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Accessories

- PWA-160WB-WT: 160W, 24V, 85V AC to 264V AC Power Adapter with 3-pin Terminal Block, Wide Temperature -20°C to +70°C
- PWA-180WB: 180W, 24V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block
- PWA-280WB-WT: 280W, 24V, 85V AC to 264V AC Power Adapter with 3-pin Terminal Block, Wide Temperature -20°C to +70°C
- VESA Mounting Kit
- DIN Rail Mount
- M.2 Storage Module: M.2 Key M PCIe Storage Module
- 5G Module: 5G Module with Antenna
- 4G Module: 4G/GPS Module with Antenna
- WiFi & Bluetooth Module with Antenna

Dimensions & Drawing
Unit : mm (inch)

- Dimensions: 212.6 (8.37) x 149.0 (5.87) x 60.4 (2.38)
- Accessories: Wallmount, DIN Rail Mount, VESA Mounting Kit,