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 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 NVMDLA Engines
- Memory: 1 LPDDR4x DRAM, Up to 64GB
- Software Support: Linux, NVIDIA JetPack SDK

I/O Interface
- USB: 4 USB 3.0 Type A
- Serial: 2 COM RS-232/422/485
- CAN Bus: 2 CAN Bus support CAN FD (Optional Isolation)
- 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, PCIe/USB3), 1 M.2 Key E Socket (2230, PCIe/USB)

Graphics
- Interface: 2 Digital Display, up to 4Kx2K @30Hz
- Video Encode: HEVC: Up to 4x4K @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
- GMML: 8 Fakra-Z connectors for GMML 1/GMML 2 automotive cameras

Storage
- M.2: 1 M.2 Key M Socket (2280, PCIe x2)
- 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), Fanless MAX TDP Mode: -20°C to 70°C (-4°F to 158°F), with Fan Sink
- Storage Temp.: -40°C to 85°C (-4°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
- EMC: CE, FCC, EN50155, EN50121-3-2

Order Information

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* EAC-3000F Series are Fan Sink Model for MAX TDP Mode

Accessories
- PWA-160WB-WT: 160W, 24V, 85V AC to 264V AC Power Adapter with 3-pin Terminal Block
- 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 -30°C to +70°C
- VESA Mount: VESA Mounting Kit
- DIN-RAIL: DIN Rail and VESA Mounting Kit
- GMML Camera Kit: GMML Camera with Fakra-Z connector
- M.2 Storage Module: M.2 Key M Key B 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

Dimensions: Unit : mm (inch)

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