Automated Agricultural Machinery

- Advanced NVIDIA® Jetson AGX Orin™ platform delivers up to 275 TOPS AI performance
- The latest NVIDIA Ampere™ architecture, featuring with 2048 NVIDIA® CUDA® cores and 64 Tensor cores
- Supports 8 GM3L 1/2 automotive cameras with Fakra-Z connectors
- 1 PCIe Gen4 x8 expansion slot supports optional multiple 10GigE/PoE LAN/USB connections
- 6 GigE LAN with 4 PoE+, 1 Digital Display supports 8K60
- 2 Isolated CAN Bus support Flexible Data-rate, 2 COM RS-232/422/485, 5 USB 3.1
- Supports device remote management by Allxon
- DC 9V to 50V wide range power input, Ignition Power Control

NVIDIA® Jetson AGX Orin™ Embedded AI Computing System
**Specifications**

**System**
- **CPU**: R32: 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU; R64: 12-core Arm® Cortex®-A78AE v8.2 64-bit CPU
- **GPU**: R32: 1792-core NVIDIA Ampere®, architecture GPU with 56 Tensor Cores; R64: 2048-core NVIDIA Ampere®, architecture GPU with 64 Tensor Cores

**Order Information**

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**Dimensions & Drawing**

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**Accessories**

- PWA-160W8-WT 160W, 24V, 85V AC to 264V AC Power Adapter with 3-pin Terminal Block, Wide Temperature -30°C to +70°C
- PWA-180W8 180W, 24V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block
- PWA-280W8-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
- GMSS Camera Kit GMSS 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** (mm)

**Mechanical**
- Dimensions: 260 mm x 182 mm x 69 mm (10.24” x 7.17” x 2.72”)
- Weight: 3.8 kg (8.39 lb)
- Mounting: Wall mount and VESA mount (Optional)

**Environmental**
- Operating Temp.: 30W TDP Mode: -25°C to 70°C (-13°F to 158°F); 40/50W TDP Mode: -25°C to 55°C (-13°F to 131°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
- EMC: CE, FCC, EN50155, EN50121-3-2

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