

MIC-730AI

AI Inference System based on NVIDIA Jetson® Xavier



Features

- NVIDIA Jetson™ Xavier embedded
- Fanless compact design
- Support 1 x MiniPCIe & 1 x M.2 (PCIe2 NVMe)
- Bundle with Linux Ubuntu 18.04
- Low power consumption
- Support PCIe Add-on Card
- Support 24/7 secure remote monitoring, control, and OTA deployment empowered by Allxon (support JetPack 4.4GA and above)

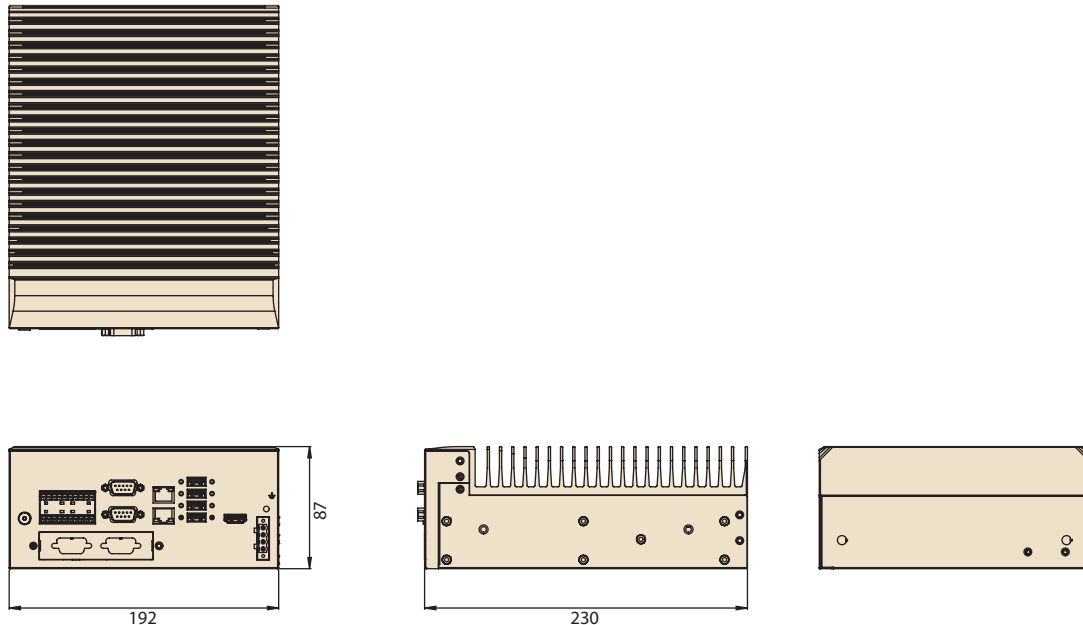


Specifications

| | | |
|------------------|-------------------------|---|
| | | Jetson AGX Xavier |
| Processor System | GPU | NVIDIA Volta™ architecture with 512 NVIDIA CUDA cores and 64 Tensor cores 11 TFLOPS (FP16) 22 TOPS (INT8) |
| | CPU | 8-core ARM v8.2 64-bit CPU, 8MB L2 + 4MB L3 |
| | DLA | 5 TFLOPS (FP16) 10 TOPS (INT8) |
| | Memory | 16/32 GB 256-bit LPDDR4x 2133MHz - 137GB/s |
| | Storage | 32GB eMMC 5.1 |
| Ethernet | Interface | RJ45 x 2 |
| | Controller | LAN1: Intel i210 LAN2: Marvell 88E1512 |
| | Speed | 10/100/1000 Mbps |
| I/O | Display | HDMI (Max. resolution 3840x2160 @ 60Hz) |
| | USB | Internal: 1 x USB2.0 External: 2 x USB2.0, 2 x USB3.0 |
| | DI/DO | 16 bit (8In/8Out) |
| | Power Switch | Power ON/OFF Button x 1 (AT/ATX , Default : AT) |
| | OTG USB | MicroUSB x 1 (Internal) |
| | COM | 2 x RS-232/RS-422/RS-485 |
| Expansion | PCIe | Optional by iModule 1 x PCIe8 > MIC-75M10-00A1 1 x PCIe16 + 1 x PCIe4 > MIC-75M20-00C1 (x16 slot, x8 lanes) |
| | MiniPCIe | 1 |
| Storage | Storage | 2.5" HDD/SSD (Max. 9.5mm) x 1 (Internal) 1 x M.2 (NVMe 2280, PCIe2) |
| Power | Type | AT/ATX |
| | Power supply Voltage | 9-36V, 11-3A |
| Environment | Operational Temperature | nvpmode MODE_30W_ALL: -10~+60°C with 0.7 m/s air flow MAXN: -10~+55°C with 0.7 m/s air flow |
| | Operating Humidity | 95% @ 40 °C (non-condensing) |
| | Vibration | 0.5Grms @ 5 ~ 500 Hz, random, 1 hr/axis (With HDD) |
| Mechanical | Dimensions (W x D x H) | Core Module: 192 x 230 x 87 (mm) |
| | Weight | 4.5 kg |
| | Installation | Desktop / Wall mount |
| Operating System | Linux | Ubuntu 18.04 |
| Certifications | | UL/CB/CE/FCC/BSMI/CCC (No RED certification) |

Dimensions

Unit: mm



Ordering Information

| Part Number | NVIDIA Module | Memory | eMMC | SD card |
|----------------|---------------|--------|------|---------|
| MIC-730AI-10A1 | AGX Xavier | 32G | 32G | YES |
| MIC-730AI-10A2 | AGX Xavier | 32G | 32G | - |

Packing List

| Part Number | Description | Quantity |
|----------------|--|----------|
| MIC-730AI | AI Inference System based on NVIDIA Jetson® Xavier | 1 |
| 1652003234 | Power terminal block 4P | 1 |
| 1652010202 | DI/DO terminal block 10P | 2 |
| 1700013095-01 | SATA cable | 1 |
| 1700023619-01 | Micro USB cable for system recovery | 1 |
| 1700024372-01 | SATA power cable | 1 |
| 1960070543T007 | Mounting bracket | 2 |
| 1990008871S000 | 2.5 HDD Rubber | 4 |
| 1930008089 | MiniPCIe screw | 2 |
| 1930005673-11 | M.2 screw | 1 |

Optional

| Part Number | Description |
|-------------------|---|
| 96PSA-A230W24P4-3 | Adaptor A/D, 100-240V, 230W, 24V |
| 96PSA-A150W19P4-3 | Adaptor A/D, 100-240V, 150W, 19V |
| 1702002600 | Power Cord (USA) UL/CSA, 3-pin, 10A, 125V, 1.83 M, 180 D |
| 1700029019-01 | Power Cord (PSE/BSMI), 3-pin, 7A, 125V, 1.8m, DAC-ST01 |
| 1702002605 | Power Cord (EU) 2-pin, 10/16A, 220V, 1.83 M, 90 D |
| 1960065854N001 | PCM series module bracket |
| MIC-75M10-00A1 | iModule (1 x PCIe x8) |
| MIC-75M20-00C1 | iModule (1 x PCIe x16 + 1 x PCIe x4 , x16 slot, x8 lanes) |
| 98RV710AL00 | Allxon OOB module |

Remote Management Enrollment

Enroll in 24/7 secure service to get full feature of remote device management on one centralized cloud portal - Allxon Portal.

*Support JetPack 4.4GA and above

Enrollment Page: https://allxon.com/jetson/device_enroll/

Front View

