

# MIC-710AI

## AI Inference System Based on NVIDIA® Jetson™ NANO



### Features

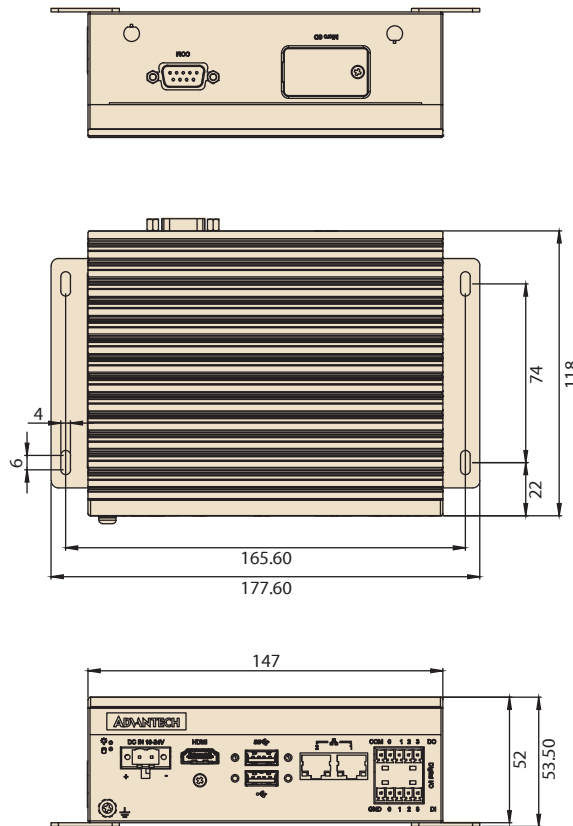
- Fanless compact design
- Embedded with NVIDIA® Jetson™ NANO up to 472 GOPS
- Supports 2 x GbE, 1 x USB 3.0 , 1 x USB 2.0
- Supports 1 x mPCIe, 1 x M.2 2280 (SATA interface)
- Supports Allxon 24/7 remote monitoring and OTA deployment; Azure Certified Devices

### Specifications

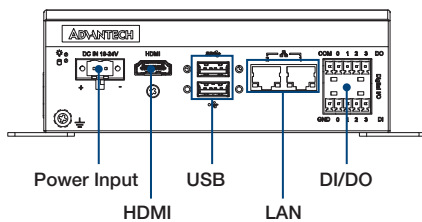
|                           |                        |   |
|---------------------------|------------------------|---|
|                           |                        | Jetson NANO   |
| Processor System          | CPU                    | Quad-core ARM A57 Complex   |
|                           | GPU                    | 128-core NVIDIA Maxwell GPU   |
|                           | Memory                 | 4GB LPDDR4  |
|                           | Flash                  | 16G of eMMC   |
| I/O                       | Ethernet               | 2 x 10/100/1000 Mbps  |
|                           | Display                | HDMI (Max. resolution 3840 x 2160 @ 60Hz)                                       |
|                           | USB                    | Internal: 1 x USB 2.0<br>External: 1 x USB 2.0, 1 x USB 3.0                     |
|                           | DI/DO                  | 4-ch DI, 4-ch DO  |
|                           | COM                    | Internal: 1 x RS-232 pin header<br>External: 1 x RS-232/RS-422/RS-485           |
|                           | OTG USB                | 1 x Micro USB (Internal)  |
| Expansion                 | Mini PCIe              | 1 x mPCIe (Signal: PCIe + USB)  |
|                           | SIM                    | 1 x Nano SIM slot   |
|                           | iDoor (Optional)       | 1 x iDoor bracket reserved  |
| Storage                   | Storage                | 1 x Micro SD slot<br>1 x M.2 2280 (M-Key, signal: SATA3)<br>1 x SATA3 connector |
|                           |                        |   |
| Power                     | Type                   | Terminal block, 2-pin, AT   |
|                           | Input Voltage          | 19-24 V <sub>DC</sub> , 1.5A-1.18A  |
| Environment               | Operating temperature  | MODE 0 10W 4 CORES: -10 ~ +60°C with 0.7 m/s airflow                            |
|                           | Operating humidity     | 95% @ 40 °C; 104 °F (non-condensing)  |
|                           | Vibration              | 3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis  |
|                           | Shock                  | 10G / 11 ms   |
| Mechanical Specifications | Dimensions (W x D x H) | 147 x 118 x 52 mm (5.7" x 4.6" x 2")  |
|                           | Weight                 | 1.2 kg (3.5 lb)   |
|                           | Installation           | Desktop / DIN-rail  |
| BSP                       | Jetpack                | 4.6   |
| Certifications            |                        | CE/FCC/BSMI/CCC (No RED certification)  |

## Dimensions

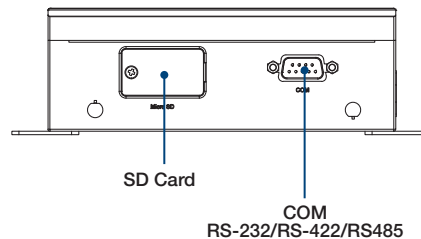
Unit: mm



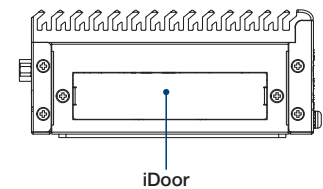
## Front View



## Rear View



## Side View



## Ordering Information

| Part Number    | NVIDIA Module | Memory | eMMC | SD Card |
|----------------|---------------|--------|------|---------|
| MIC-710AI-00A1 | NANO          | 4G     | 16G  | YES     |
| MIC-710AI-00A2 | NANO          | 4G     | 16G  | -       |

## Optional

| Part Number      | Description                               |
|------------------|---|
| 96PSA-A65W19P2-1 | Power Adapter 100-240V 65W 19V            |
| 1700001524       | Power Cord UL 3P 10A 125V 183cm (US)      |
| 170203183C       | Power Cord EU 3P 2.5A 250V 183cm (EU)     |
| 170203180A       | Power Cord BSI 3P 2.5A 250V 183cm (UK)    |
| 1702031836       | Power Cord SAA 3P 10A 250V 183cm (AU)     |
| 1700008921       | Power Cord PSE 3P 7A 125V 183cm (Japan)   |
| 1700019146       | Power Cord CCC 3P 2.5A 250V 183cm (China) |
| 98R1750020E      | DIN-rail bracket kit                      |
| 1960065854N001   | PCM series module bracket                 |
| 98RV710AL00      | Allxon OOB module                         |

## Packing List

| Part Number    | Description                         | Quantity |
|----------------|-------------------------------------|----------|
| 1652002202     | Power connector-2Pin                | 1        |
| 1652005204     | DI/DO connector-5Pin                | 2        |
| 1700023619-01  | Micro USB cable for system recovery | 1        |
| 1960095312N001 | Mounting bracket                    | 2        |
| 1930008089     | Mini PCIe screw                     | 2        |
| 1930005673-11  | M.2 screw                           | 1        |