

# MIC-710AIL-DVA

## AI Developer Kit Based on NVIDIA® Jetson Nano™



### Features

- Open-frame carrier design
- Embedded with NVIDIA® Jetson Nano™ up to 472 GFLOPS
- Supports 1 x GbE, 1 x USB 3.2 Gen 1 (5 Gbit/s)
- Supports 1 x mPCIe, 1 x M.2 2280
- Supports Allxon 24/7 remote monitoring and OTA deployment

### Specifications

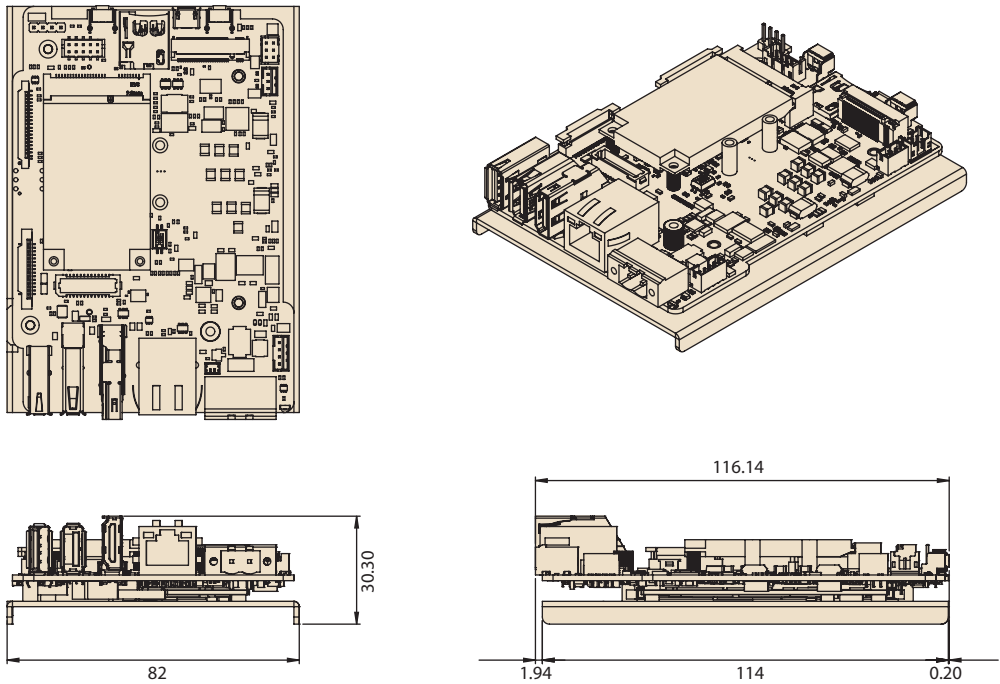
|            |                        |                                                                                   |
|------------|------------------------|-----------------------------------------------------------------------------------|
| Processor  | CPU                    | Quad-Core Arm® Cortex®-A57 MPCore processor                                       |
|            | GPU                    | 128-core NVIDIA Maxwell™ GPU                                                      |
|            | Memory                 | 4GB LPDDR4                                                                        |
|            | Flash                  | 16G of eMMC                                                                       |
| I/O        | Ethernet               | 1 x 10/100/1000 Mbps                                                              |
|            | Display                | HDMI (Max. resolution 3840x2160 @ 60Hz)                                           |
|            | USB                    | External: 1 x USB 2.0, 1 x USB 3.2 Gen 1<br>Internal: 1 x USB 2.0 (by pin header) |
|            | Serial Port            | RS-232 (By pin header)                                                            |
|            | OTG USB                | 1 x Micro USB                                                                     |
| Expansion  | Mini PCIe              | 1 x mPCIe (Signal: PCIe x1 + USB 2.0)                                             |
|            | SIM Card               | 1 x Nano SIM                                                                      |
| Storage    | M.2                    | 1 x M.2 2280 (M-Key, NVMe, Signal: PCIe x4)                                       |
|            | SD Card                | 1 x Micro SD                                                                      |
| Power      | Mode                   | Therminal block, 2-pin, AT                                                        |
|            | Voltage                | 12 ~ 24 V <sub>DC</sub>                                                           |
| Mechanical | Dimensions (W x D x H) | 116 x 82 x 30 mm (4.5" x 3.2" x 1.18")                                            |
|            | Weight                 | 150 g (0.33 lb)                                                                   |
| BSP        | Jetpack                | 4.6                                                                               |

| SW1 | Mini PCIe         | NVMe M.2 |
|-----|-------------------|----------|
| ON* | USB 2.0 + PCIe x1 | X        |
| OFF | USB 2.0           | PCIe x4  |

\*Default SW1 is ON

Dimensions

Unit: mm



Ordering Information

| Part Number     | NVIDIA Module      | Memory | eMMC | SD Card |
|-----------------|--------------------|--------|------|---------|
| MIC-710AIL-DVA1 | NVIDIA Jetson Nano | 4G     | 16G  | YES     |
| MIC-710AIL-DVA2 | NVIDIA Jetson Nano | 4G     | 16G  | -       |

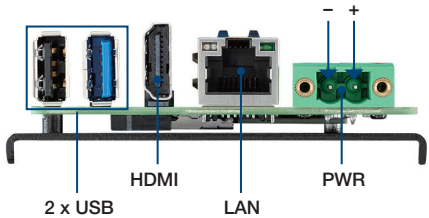
Packing List

| Part Number    | Description                         | Quantity |
|----------------|-------------------------------------|----------|
| MIC-710AIL-DVA | AI Developer Kit                    | 1        |
| 1652002202     | Power connector — 2-pin             | 1        |
| 1700023619-01  | Micro USB cable for system recovery | 1        |
| 1930005673-11  | M.2 screw                           | 1        |
| 1930008089     | Mini PCIe screw                     | 2        |

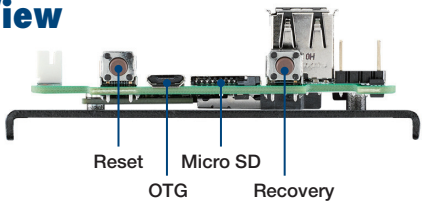
Optional

| 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) |

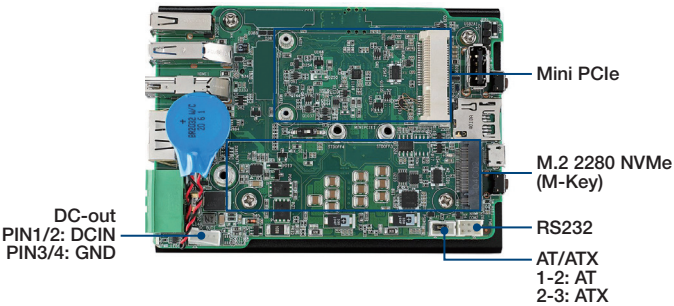
Front View



Back View



Top View



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