

MIC-710AILX-DVA

NVIDIA® Jetson Xavier NX Developer Kit

Preliminary



Features

- NVIDIA® Jetson Xavier NX embedded
- 1 x M.2 2280 NVMe for storage
- 1 x Mini PCIe for expansion
- Linux OS with BSP (board support package)
- Supports deep learning trained models



Specifications

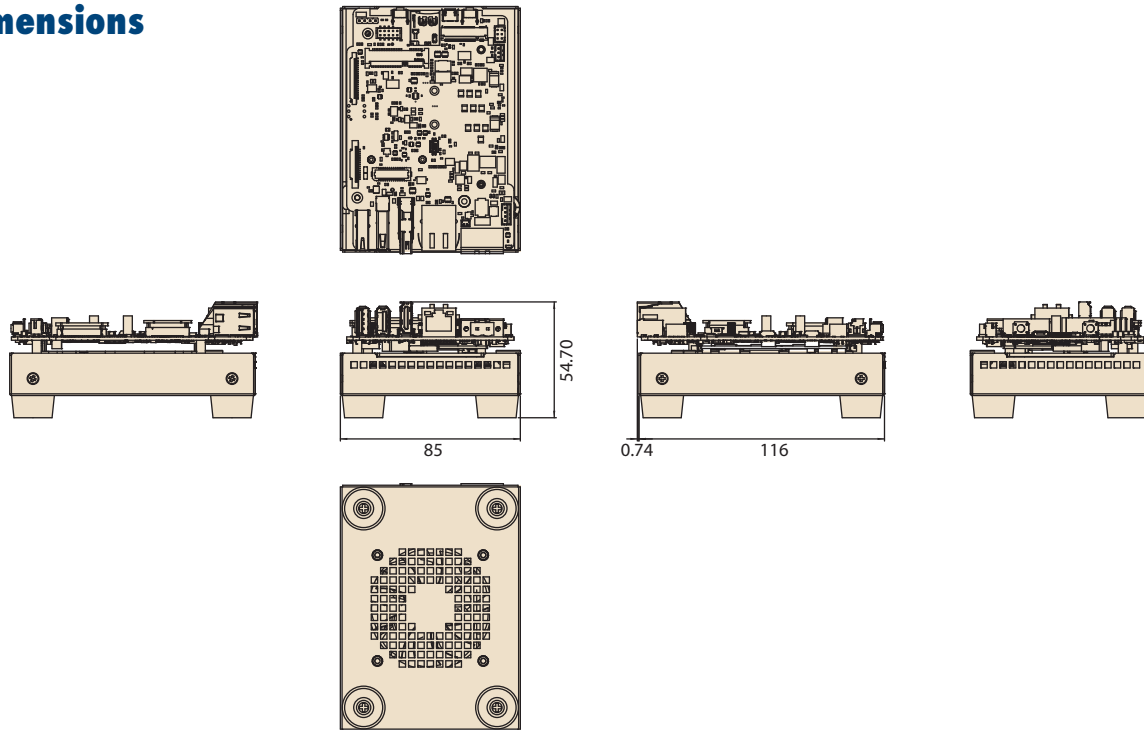
| | | |
|------------------|------------------------|--|
| Processor System | CPU | ARMv8.2 (64-bit) heterogeneous multi-processing (HMP) CPU architecture, six Carmel processor cores (Max. Operating Frequency: 1.9 GHz) |
| | GPU | 384 CUDA Core, 48 Tensor Cores, Performance up to 21 TOPS (INT8) (Max. Operating Frequency: 1.1GHz) |
| | Memory | 16GB LPDDR4 |
| | Flash | 16G of eMMC |
| Ethernet | Interface | RJ-45 |
| | Controller | On-module embedded |
| | Speed | 1 x Gigabit Ethernet (10/100/1000 Mbps) |
| I/O | Display | HDMI (Max. resolution 3840x2160 @ 60Hz) |
| | USB | External 1 x USB 2.0 1 x USB 3.0 |
| | OTG USB (External) | 1 x Micro USB |
| | DI/DO | - |
| | COM | RS-232 (By pin header) |
| | SIM card | 1 x Nano SIM |
| Expansion | MiniPCIe | 1 x Full size MiniPCIe* (PCIex1 + USB 2.0) |
| Storage | M.2 | 1 x M.2 2280 NVMe* (PCIex1 M Key) |
| | SD card | 1 x Micro SD |
| Fan | Dimension | 60 x 60 x 13 mm |
| | RPM | 5400RPM |
| Power | Power supply | Power adapter: 12V, 5A (adapter is optional) |
| | Power type | Terminal block 2 Pin |
| Mechanical | Dimensions (W x D x H) | 116 x 85 x 54.7 mm (4.5 x 3.35 x 2.16 inch) |
| | Weight | 350g |
| Operating System | Linux | Ubuntu 18.04 with JetPack |

| SW1 | MiniPCIe | NVMe M.2 |
|-----|------------------|----------|
| ON* | USB 2.0 + PCIex1 | X |
| OFF | USB 2.0 | PCIex1 |

*Default SW1 is ON

Dimensions

Unit: mm



Ordering Information

| Part Number | NVIDIA Module | Memory | eMMC | SD card |
|------------------|---------------|--------|------|---------|
| MIC-710AILX-DVA1 | Xavier NX | 16G | 16G | YES |
| MIC-710AILX-DVA2 | Xavier NX | 16G | 16G | - |

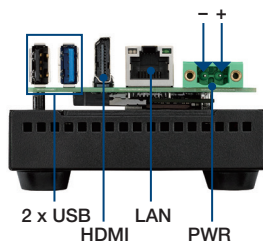
Packing List

| Part Number | Description | Quantity |
|---------------|-------------------------------------|----------|
| 1652002202 | Power connector-2Pin | 1 |
| 1700023619-01 | Micro USB cable for system recovery | 1 |
| 1930005673-11 | M.2 screw | 1 |
| 1930008089 | MiniPCle screw | 2 |

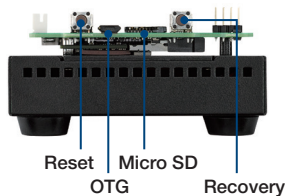
Optional

| Part Number | Description |
|------------------|---|
| 96PSA-A60W12P2-3 | Power Adapter 100-240V 60W 12V |
| 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

