

AX720-STD-AN00

Features

- Specifically designed for high performance and low-power envelope AI computing.
- Additional driver to support Embedded peripheral modules for multiple I/O expansion capability.
- On-board 2x HDMI, 1x M.2 M Key, 1x M.2 E Key and 3x RJ45 to support rich multimedia.
- Extended temperature range -40°C to 85°C
- Suitable for general robotics, UAV, industrial inspection, medical imaging and deep learning.

Specifications

Form Factor

- 131 x 120 x 30.5 mm

Support Module

- NVIDIA® Jetson AGX Xavier™ (100 x 87mm)

I/O Interface

- 2x HDMI Type A
- 3x RJ-45 for GbE(1x Onboard, 2x Extension adapter)
- 2x USB3.2 Gen1 Type A
- 1x USB3.2 Gen2 Type C
- 1x USB2.0 AB OTG
- 1x M.2 M Key
- 1x M.2 E Key
- 2x CAN BUS
- 1x Front Panel
- 1x RS-232 / 3 x UART / 1 x I2C / 5 x GPIO/ 1 x SPI
- 1x DC-in 9V~20V
- 1x MIPI CSI2 Connector (120 Pin / Support up to 16 Lanes)
- 1x Extension slot.
- *(Pinout not compatible with PCIe/104)
- 1x Micro SD

Operating Temperature

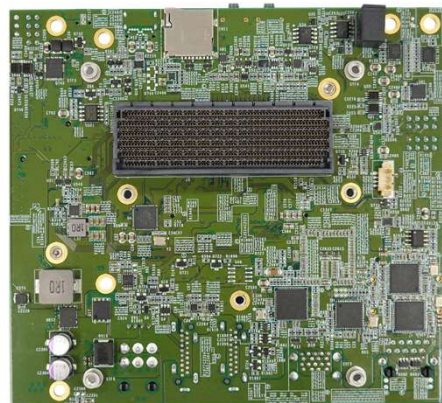
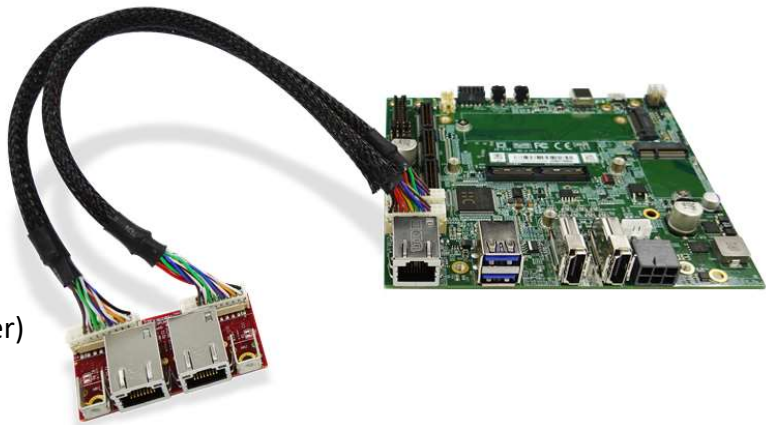
- -40°C ~ 85°C

Operating Humidity

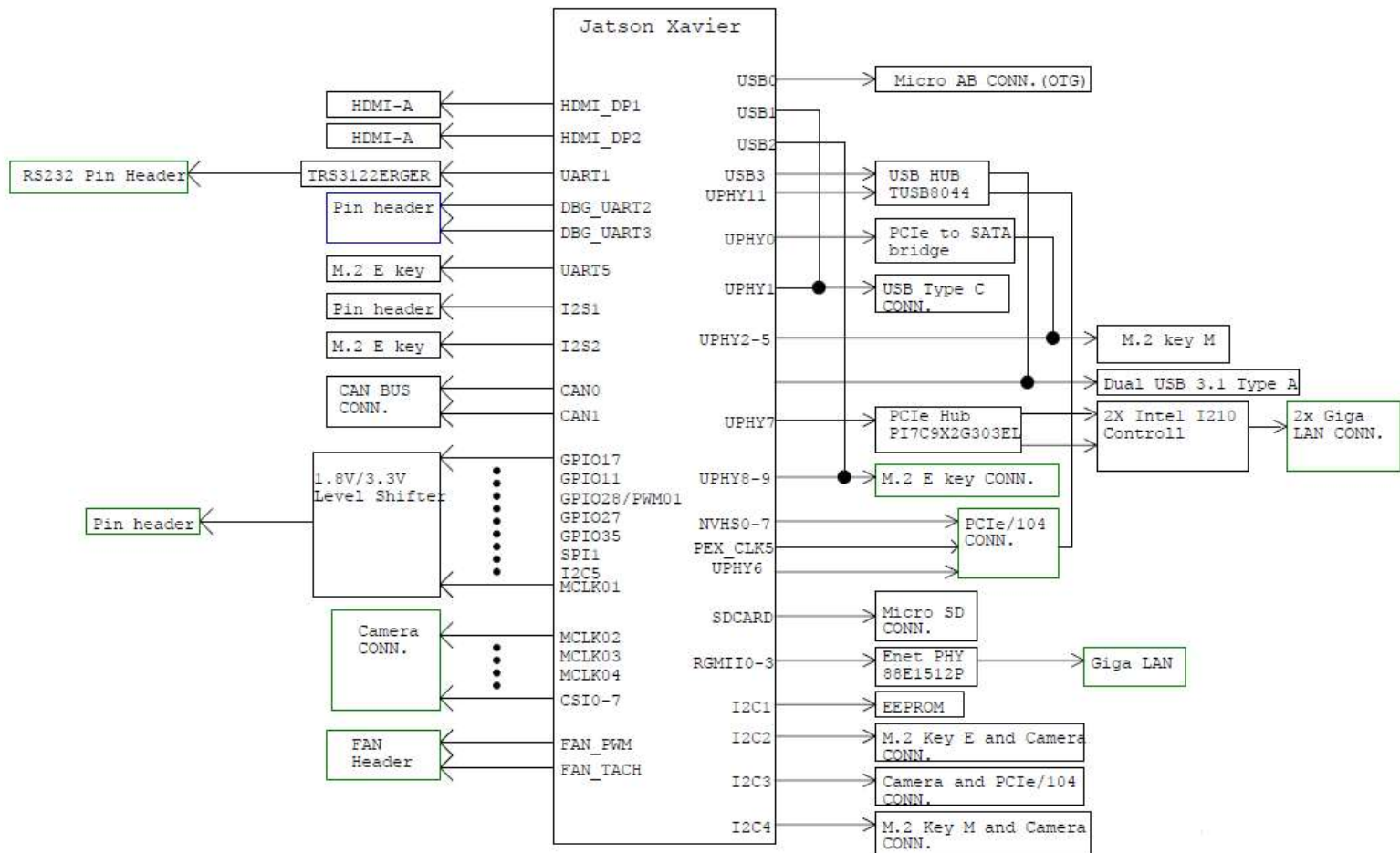
- 10% ~ 90%

Storage Temperature

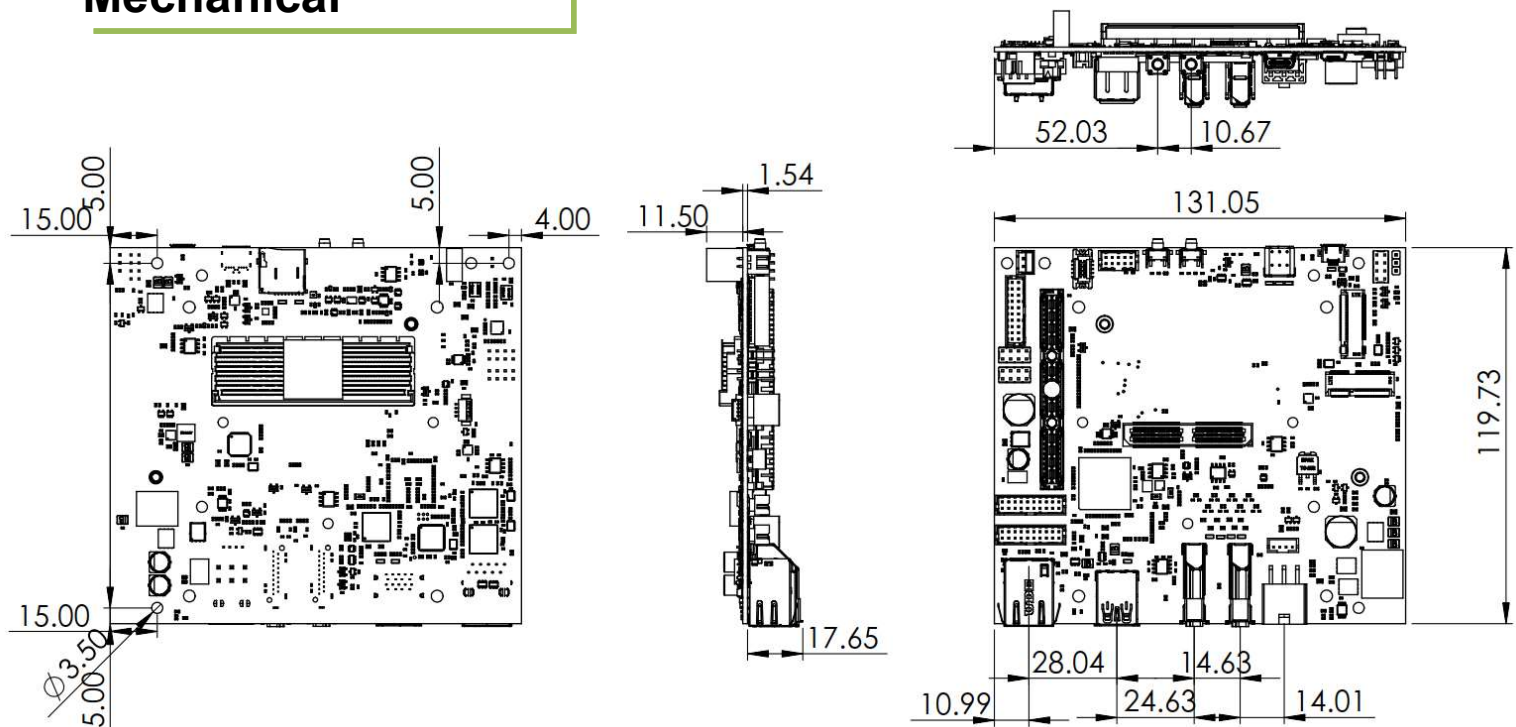
- -40°C ~ +125°C



Block Diagram



Mechanical



Ordering Information

Product name	Description
AX720-STD-AN00	AX720 Carrier, Standard temp -40°C to +85°C
AX720-X32-FN02	AX720 + 32G Xavier™ Module + FAN + Cable Kit + Power Adapter and US Power Cord -25°C to +80°C
AX720-X32-FN03	AX720 + 32G Xavier™ Module + FAN + Cable Kit + Power Adapter and EU Power Cord -25°C to +80°C

Accessory (Optional)

7W9000000040	AX720 Cable kit(CAN bus / UART / RS232 / Front panel / GPIO / I2C)
MCAC-00000000CA100	CA-A01 6x CSI-2 Camera Carrier Board with FPC
9Z1256161010	AX720 Active Heat Sink
7W8000000040	US Power Cord SVT 18AWG Cable 1800mm Black 105 °C
7W8000000050	EU Power Cord H05VV-F 0.75mm ² /3G SL-6+SL-3 Cable 1800mm Black
9Z3D10000010	100-240V 120W Power Adapter

Active Heat Sink



Cable Kit



120W Power Adapter



6 x MIPI CSI-II Camera Board

