AVerMedia

NVIDIA ELITE PARTNER

D111NX

Development system



Overview

AVerMedia's D111NX development system equips a high performance and power-efficient NVIDIA Jetson Xavier™ NX module. Developers and engineers can now take advantage of cloud-native support that will change how AI software is developed and deployed. This development system makes it possible to develop and test power-efficient, small form-factor solutions with accurate, multimodal AI inference, leading to breakthrough products.

AVerMedia supports businesses of all sizes and offers customizable BSP services, flexible MoQ, in addition to the NVIDIA JetPack™ SDK, which is used across the entire NVIDIA Jetson™ platform.

Key Features

- Equipped with the NVIDIA Jetson Xavier™ NX module
- 1 x GbE RJ-45
- 2 x USB 3.0
- 1 x 4Kp60 HDMI output
- 2 x 2 lane MIPI & 1 x 4 lane MIPI
- 20-pin expansion header
- 1 x micro-SD card slot
- Operating temperature: 0˚C ~ 70˚C (depends on usage).
- Dimension: W: 87mm x L: 70.6mm x H: 58.2mm

The AVerMedia Advantage

Video Processing Technology

AVerMedia understands that each business has a unique set of requirements that requires professional expertise and support. With AVerMedia, you are guaranteed to work with a proven global leader in video processing technology (200+ video capturing & streaming patents) with decades of experience processing multiple video signals for countless award-winning products.

A global leader that supports businesses of all sizes with comprehensive customization services (i.e., HW/PCB/BSP/etc.), flexible MoQ while ensuring a high-quality design and stable product. For projects requiring additional security, we can provide customizable encryption hardware to support your privacy needs.

Flexibility & Reliability

Dedicated After-Sales Support

As an NVIDIA Elite Partner, our support-driven team offers prompt after-sales support so that your company stays focused on customer acquisition.

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Specifications

Model	D111NX
Type	Development system
NVIDIA GPU SoC Module	NVIDIA® Jetson Xavier NX module
Networking	1 x GbE RJ-45
Display Output	1 x HDMI output 3840 x 2160 at 60Hz
Temperature	Operating temperature 0°C~70°C Storage temperature -40°C ~ 85°C Relative humidity 40 °C @ 95%, Non-Condensing
MIPI Camera Inputs	2 x 2 lane MIPI CSI-2, 15 pin FPC 1mm Pitch Connector 1 x 4 lane MIPI CSI-2, 36 pin FPC 0.5mm Pitch Connector
USB	1 x USB 2.0 Micro-B for recovery 2 x USB 3.0 Type-A
Storage	1 x micro-SD card slot
Expansion Header	20 pins: 2x I2C, 1x UART, 9x GPIOs
Input Power	3.5mm Screw Terminal; 12V/5A, 9V~19V is recommended.
Buttons	Power and Recovery
RTC Battery	Support RTC battery and Battery Life Monitoring by MCU
PCB/Electronics Mechanical Info	W: 87mm x L: 70.6mm x H: 58.2mm Weight: 175g
Certifications	CE, FCC, KC
Package	1 x Carrier board 1 x NVIDIA® Jetson Xavier NX module 1 x Fan 1 x Power cable Screws Quick Guide
Optional add-on	Adapter and power cord (US, UK, EU/KR, CN, JP, AU, TW)

*All specifications are subject to change without prior notice.

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