AVerAI NO111B Box PC

NO111B Box PC supports 2x USB 3.0, 1x GbE, and 1x 4Kp60 HDMI-out
It equips NVIDIA® Jetson Nano™ module (version B01)

Features

- Fully support NVIDIA® Jetson Nano™ module (version B01)
- 1x GbE, 2x USB 3.0, 1x 4Kp60 HDMI outputs
- Internal 20-pin expansion header
- 1x micro-SD card slot
- Operating temperature: 0˚C ~ 60˚C
- Dimension: W: 91.4mm x L: 76.6mm x H: 70mm

Introduction

AVerMedia AVerAI Box PC NO111B equips NVIDIA® Jetson Nano™ module (version B01) and is designed for the industry applications in the environment with the high physical space concern and operation in the temperature range from 0˚C to 60˚C. It features the very compact dimensions of 91.4mm (W) x 76.6mm (L) x 70mm (H).

AVerAI NO111B can provide the access to a list of rich I/O functions, which includes internal 2x 2 Lane MIPI CSI-2, 1x 4 Lane MIPI CSI-2 MIPI Camera Input (optional item), 1x 4Kp60 HDMI output, 2x USB 3.0, 1x GbE RJ-45, 1x internal 20-pin expansion header, 1x Micro SD card slot, and 1x Micro-B USB 2.0 for recovery.

With the compact dimensions, design for reliable field installation, and the rich I/O functions, NO111B is the best cost-effective choice for AIoT edge computing in the intelligent video analytics applications of Smart Retail, Smart Camera, Smart Medical and Smart City.

Embedded Vision Solutions for NVIDIA Jetson

AVerMedia offers 3 categories of Embedded Vision Solutions for deep learning application on the edge devices, with the support of NVIDIA Jetson family, battery power, HDMI/VGA/3G-SDI/Composite video sources, and the direct technical support for developers.

- Standard and customized of Nano/Tegra/Xavier NX/AGX Xavier carrier boards
- Standard and customized Nano/Tegra/Xavier NX/AGX Xavier application-ready systems
- Software design service of Linux BSP, driver and OpenCV.

Why AVerMedia

- As NVIDIA® PREFERRED solution provider, AVerMedia gets the direct support from NVIDIA. We are able to offer technical support in 24 hours to help your project success.
- Support full range of NVIDIA Jetson modules, including Nano, Tegra, Xavier NX, and AGX Xavier.
- Support various video input sources from IP camera, USB camera, MIPI camera, and capture cards supporting HDMI/VGA/3G-SDI/Composite video sources.
- Provide customization services of HW, PCB, chassis, BSP, driver, and UX/UI/ID/ME design.
- Supports 65˚C/149˚F operating temperature in the No-Air-Flow environment for fanless system designed by using AVerCooler technologies.
- Provide flexible user-configured security to protect the SW.

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Specifications

Model		NO111B
Type		Box PC
NVIDIA GPU SoC Module Compatibility		NVIDIA® Jetson Nano™ module (version B01)
Networking		1x GbE RJ-45
Display Output		3840 x 2160 at 60Hz
Temperature		Operating temperature 0°C~60°C Storage temperature -40°C ~ 85°C Relative humidity 40 °C @ 95%, Non-Condensing
USB		1x USB 2.0 Micro-B for recovery 2x USB 3.0 Type-A
Storage		1x micro-SD card slot
Internal I/O Interface	MIPI Camera Inputs	• 2x 2 lane MIPI CSI-2, 15 pin FPC 1mm Pitch Connector (Compatible on NVIDIA® Jetson Nano™ Developer Kit) • Optional: 1x 4 lane MIPI CSI-2, 36 pin FPC 0.5mm Pitch Connector
	Expansion Header	20 pins: 2x I2C, 1x UART, 9x GPIOs
Input Power		12V/5A 9V~19V is recommended
Power Cord		US/JP/EU/UK/TW
Fan Module		Heat sink with fan
Buttons		Power and Recovery
RTC Battery		Support RTC battery and Battery Life Monitoring by MCU
PCB/Electronics Mechanical Info		W: 91.4mm x L: 76.6mm x H: 70mm (3.60” x 3.02” x 2.76”) Weight: 495g
Certifications		CE, FCC

*All specifications are subject to change without prior notice.

RoHS 2 COMPLIANT

AVerMedia

Made in Taiwan
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