AVerMedia

NVIDIA PREFERRED SOLUTION PROVIDER

AVerAI EX731-AA00 Box PC

EX731-AA00-2AC0 Box PC

It equips NVIDIA® Jetson™ TX2 module with active cooling system

Description

AVerMedia EX731-AA00-2AC0 Box PC equips NVIDIA® Jetson™ TX2 module to provide a compact design with dimension W: 117.2mm x L: 76.8mm x H: 61.0mm (4.61" x 3.02" x 2.4" with mounting ears W: 144.8mm, 5.7")

AVerMedia EX731-AA00-2AC0 includes 2x HDMI-out, 1x USB 3.0, 1x Gigabit Ethernet RJ-45, 1x USB OTG, 1x micro SD card slot and 40 pins of GPIO expansion with 1x 3.3V UART, 1x I2C, and 7x GPIOs.

This Box PC equips a customized chassis with active cooling system. It is one of the best compact Application Ready System by supporting NVIDIA® Jetson™ TX2 module to run the edge computing algorithms for high-end video analysis applications.

Features

- Fully support NVIDIA® Jetson™ TX2 module
- 1x USB3.0 and 1x Gigabit Ethernet RJ-45
- 2x HDMI-out
- Chassis dimension: W: 117.2mm x L: 76.8mm x H: 61.0mm (4.61" x 3.02" x 2.4", with mounting ears W: 144.8mm, 5.7")

Embedded Vision Solutions for NVIDIA Jetson

AVerMedia offers 3 categories of Embedded Vision Solutions for AI 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/AGX Xavier/Xavier NX carrier boards.
- Standard and customized Nano/Tegra/AGX Xavier/Xavier NX application-ready systems.
- Software design service of Linux BSP, driver, OpenCV, VisionWorks, and cuDNN.

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, 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.

AVerAI EX731-AA00 Box PC

EX731-AA00-2AC0 Box PC

It equips NVIDIA® Jetson™ TX2 module with active cooling system

Specifications

Type	Box PC with Active Cooling System
NVIDIA GPU SoC Module Compatibility	NVIDIA® Jetson™ TX2 module
Networking	1x GbE (RJ-45)
Display Output	TX2: 2x HDMI-out, 3840x2160 at 60Hz
Temperature	Operating temperature -20°C ~60°C Storage temperature -40°C ~ 85°C Relative humidity 40 °C @ 95%, non-condensing
USB	1x external USB3.0 Type A (USB 3.2 Gen1x 1)
Storage	1x micro-SD card
GPIO Expansion	1x 3.3V UART, 1x I2C, 7x GPIOs
Input Power	12V/5A
Buttons	Power and Recovery (Each button has a RGB tri-color LED)
RTC Battery	Support RTC battery and Battery Life Monitoring by MCU
Chassis Dimension/ Weight	W: 117.2mm x L: 76.8mm x H: 61.0mm 4.61" x 3.02" x 2.4" with mounting ears W: 144.8mm, 5.7" Weight: 485g
Certifications	CE, FCC, MSIP

Order Information

Standard Product	Product Name	M.2/mPCIe Video Input	NVIDIA Jetson SoM	Cooling System	Wireless
	EX731-AA00-1AC0	N/A	TX1	Active Cooling	N/A
●	EX731-AA00-2AC0	N/A	TX2	Active Cooling	N/A
	EX731-AA00-3AC0	N/A	TX2i	Active Cooling	N/A
	EX731-AA00-4AC0	N/A	TX2 4GB	Active Cooling	N/A
	EX731-AA00-1ACW	N/A	TX1	Active Cooling	Wi-Fi/BT
	EX731-AA00-2ACW	N/A	TX2	Active Cooling	Wi-Fi/BT
	EX731-AA00-3ACW	N/A	TX2i	Active Cooling	Wi-Fi/BT
	EX731-AA00-4ACW	N/A	TX2 4GB	Active Cooling	Wi-Fi/BT

* All specifications are subject to change without prior notice.

RoHS 2 COMPLIANT

R-R-AVM-EX731-AA00

R-R-AVM- EX731-AA00
MSIP Class A Statement (Korea)
사용자안내문
이 기기는 업무용 환경에¼¬ 사용할 목적으로 적합성평가를 받은 기기로¼¬ 가정용 환경에¼¬ 사용하는 경우 전파간섭의 우려가 있습니다.
This equipment has been tested for compliance with the intended use in a commercial environment. If the equipment is used in a domestic environment, it may cause radio interference.
※ 사용자 안내문은 "업무용 방송통신기자재"에만 적용한다.
※ User's Guide applies only to "Commercial Broadcasting Communication Equipment".

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