AVerMedia

NVIDIA PREFERRED SOLUTION PROVIDER

AVerAI EX731-AA00 Box PC

EX731-AA00-2AC0 Box PC

It equips NVIDIA® Jetson™ TX2 with active cooling system (No Wi-Fi/BT support)



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

Why AVerMedia

- Innovative, patented passive cooling thermal designs for No-Air-Flow environment: AVerCooler, WaveFin, and Surfax.
- Full customization ability with our in-house HW and SW development teams.
- Timely support from NVIDIA® as we are a NVIDIA® Jetson Preferred Partner.
- Stable supply as we are a financially sound company.

AVerAI EX731-AA00 Box PC

EX731-AA00-2AC0 Box PC

It equips NVIDIA® Jetson™ TX2 with active cooling system (No Wi-Fi/BT support)

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 0°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
CAN Bus	N/A
RS-485	N/A
User Expansion	N/A
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

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

©2019 by AVerMedia Technologies, Inc. All rights reserved.
No part of this document may be reproduced or transmitted in any form, or by any means (Electronic, mechanical, photocopy, recording, or otherwise) without prior written permission of AVerMedia Technologies. Information in this document is subject to change without notice. Made in Taiwan
Version 1.1 2019/10/17