AVerMedia

NVIDIA. PREFERRED SOLUTION PROVIDER

AVerAI EN713-AAE9 Box PC

EN713-AAE9-1PC0 Box PC provides 1x GbE and 8x 10/100 MbE with PoE (PSE)
It fully supports NVIDIA® Jetson Nano™

AIoT, Home Robot, Smart Retail, Surveillance

Description

AVerMedia's AVerAI EN713-AAE9-1PC0 Box PC of NVIDIA® Jetson Nano™ is designed as an A.I. NVR (Network Video Recorder) for intelligent surveillance system.

This product provides 8-channel PoE (PSE) ports for IP cameras, a SATA port for storage, 1x mPCIe, 2x USB 3.0 , 1x microphone input, 1x speaker output, 1x RS-485 and 20-pin expansion header (I2C, SPI, UART, I2S), 1x HDMI 2.0 out.

Benefiting from the Jetson Nano™ and DeepStream SDK, it can simultaneously decode and analyze 8-channel 1080p30 IP camera videos.

By using AVerCooler WaveFin technology, the latest edge computing module, NVIDIA® Jetson Nano™, EN713-AAE9-1PC0 can operate in the environment up to 50°C without airflow.

AVerAI EN713-AAE9-1PC0 Box PC is designed as an application ready platform for multiple applications to improve the performance, flexibility and time to market. With EN713-AAE9-1PC0, software developers not only can deploy their deep learning software on this system but also can market their software in a Box PC as a complete solution. This can greatly help simplify the efforts and processes of the system integration in launching their A.I. solution into the market faster.

Features

- Fully support NVIDIA® Jetson Nano™
- 8x 10/100 MbE with PoE
- 1x GbE, 2x USB 3.0, 1x 4Kp60 HDMI output
- 20 pins with 1x UART, 2x I2C
- 1x RS-485 (3 pins), 1x Micro-B USB 2.0 for recovery
- 1x mPCIe (Host Interface: USB 2.0)
- Operating temperature: 0°C ~ 50°C with No-Air-Flow
- Compact fanless chassis with AVerCooler technology

Embedded Vision Solutions for NVIDIA Jetson

AVerMedia offers 5 categories of Embedded Vision Solutions for deep learning application on the edge devices, with the support of battery power and HDMI/VGA/3G-SDI/Composite video sources and the direct technical support for developers.

- Standard and customized TK1 modules and carrier boards
- Standard and customized TX1/TX2/TX2i/AGX Xavier/Nano carrier boards
- Standard and customized TK1 single boards
- Standard and customized TK1 and TX1/TX2/TX2i/AGX Xavier/Nano 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.

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Specifications

Type	Box PC
NVIDIA GPU SoC Module Compatibility	NVIDIA®Jetson Nano™
Networking	1x GbE RJ-45 8x 10/100 MbE RJ-45 with PoE (Max for the first 4 ports is 15.4W and total power budget is 90W)
Display Output	1x HDMI 2.0a/b Type-A supports maximum resolution 3840x2160 at 60Hz
Temperature	Operating Temperature 0°C ~ 50°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 (USB 3.2 Gen1 x 1)
Storage	16GB e.MMC v5.1
GPIO Expansion	1x 3.3V UART, 2x I2C, 5x GPIOs
CAN Bus	N/A
User Expansion	1x mPCIe (Host Interface: USB 2.0)
Input Power	54V/2.78A
Buttons	Power and Recovery Button (each with a RGB tri-color LED)
RTC Battery	Support RTC battery and Battery Life Monitoring by MCU
Chassis Dimension/ Weightnfo	W:190mm x L:175mm x H:80mm (W:220 mm with mounting ears) Weight: 2.75 Kg
Certifications	CE, FCC

* All specifications are subject to change without prior notice.

RoHS 2 COMPLIANT

R-R-AVM-EN713-AAE9

R-R-AVM- EN713-AAE9
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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Type : Box PC
Model name : EN713-AAE9