Item no.: 384171
BPI-EAI80 - Banana pi

from **19,66 EUR**

Item no.: 384171
shipping weight: 0.10 kg
Manufacturer: BPI

📄 Product Description

BPI-EAI80 AIoT board use Edgeless EAI80 chip design.it have dual Cortex M4F@200MHz 500DMIPS and AI-NPU?CNN-NPU @300 MHz 300GOPS. Support LVDS channel and camera interface. onboard wifi.Development Board is equipped with CAN bus dual microphone single camera USB 2.0 Type - C, 1024 * 768 resolution touch screen TFT LCD interface, support wake-up and battery backup domain, low power consumption largest provide 8MB SDRAM + 32MB SPI Still the combination of flash, and regularly cooperate ESP8266 debugging the interrupt and reset, CAN realise remote access to network resources and OTA upgrade EAI80 built-in high-performance multimedia module, image transmission channels and dedicated including aliasing fusion scale format conversion corner detection function, such as pre-processing of audio supports up to 8 street PDM/I2S microphone, chip other functions can be realised through GPIO port multiplexing and simulates users and developers can take advantage of MCU control the acceleration of NPU interaction and CAN bus for industrial application before join audio and video processing and recognition capability, for the product to assign and accelerate- CPU Dual-Cortex M4F@200MHz 500DMIPS- AI-NPU?CNN-NPU @300 MHz 300GOPS- 2D Graph :Dual-Camera Max- SDRAM 8M- LCD 1024*768 TFT-LCD- CANBUS 2.0 A/B- ESP8266 Wifi onboard- 40PIN GPIO (share with LCD)- 2 Mic support- Size: 86x54mmTarget Applications:- Voice Control - Keywords Real-time Control- Computer Vision - Recognition & Recognition of Object and Biology (Face, Body, Gesture), vSLAM- End-side AIoT - Edge Computing, Info. Security, offline device control, system monitoring- Sensor, presence automation, AD display, wearable devices, smart unmanned retail, STEM education- Home & building automation Building Automation - white goods, HVAC, lighting, security systems, IoT gateways- Industrial Computing - EBS, PLCs, M2M, T&M, car factory, HMI control, QR/barcode- Motor Control & Power Conversion - VFC, FOC, 3D/thermal printers, ADAS, UAV, robots- STEAM education

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability