

# Embedded Computer Selection Guide

RODINBELL

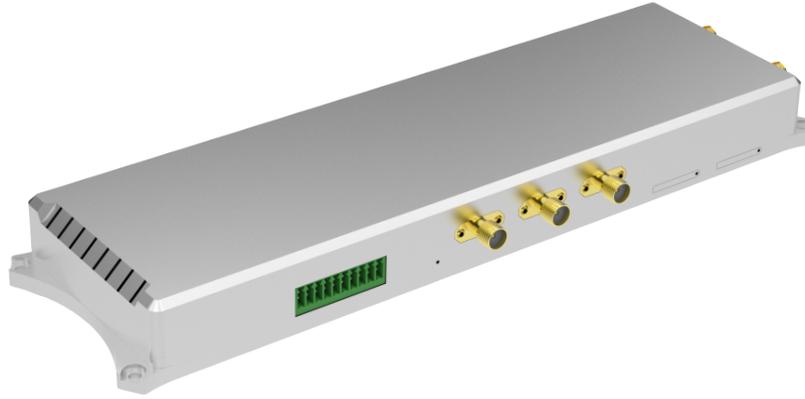
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Please refer to the specification for detailed product parameters

## Selection Table

### **EAA-001**

Embedded Computer



Freescale industrial platform with outstanding stability

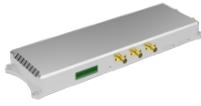
### **EAB-002**

Embedded Computer



AI computing platform based on independent NPU  
comprehensively improves the efficiency of face recognition, image processing and other algorithms.

# Parameter Comparison

	EAA-001	EAB-002
		
Operation System	Linux 4.9.11	Android 8.1
CPU	Freescale IMX6DL (Dual-Core)	Hexa-core 64 bit processor (Dual-core Cortex-A72+Quad-core Cortex-A53) Frequency is up to 1.8GHz
GPU	Vivante GC2000/ Vivante GC355/Vivante GC320	Mali-T860MP4 GPU Supports OpenGL ES 1.1/2.0/3.0/3.1, OpenVG 1.1, OpenCL, DX11
NPU	\	1G independent RAM computing power up to 3.0TOPs Supports multiple face recognition algorithms Supports TensorFlow/Caffe Model
RAM+ROM	1G+8G 2G+16G <span>Optional ✓</span>	2G+32G 4G+64G <span>Optional ✓</span>
Dimensions	229(L)*78(W)*23(H)mm	250(L)*94(W)*29(H)mm
Input Voltage	DC 9V~24V	DC 12V~24V
POE Power Supply	25W maximum Supports IEEE 802.3 protocol <span>Optional ✓</span>	\
GPIO	4 inputs, 4 outputs Up to 5Kv isolation voltage	4 inputs, 4 outputs Up to 5Kv isolation voltage
HDMI	1 HDMI2.0 (Type-A) interface Supports 4K/ 60fps output	1 HDMI2.0 (Type-A) interface Supports 4K/ 60fps output
WIFI	SMA interface Supports 2.4G/ 5G WIFI	SMA interface Supports 2.4G/ 5G WIFI
Bluetooth	Bluetooth 4.0	Bluetooth 5.0
LTE	Supports LTE data service <span>Optional ✓</span>	Supports LTE data service <span>Optional ✓</span>
LoRa	Supported <span>Optional ✓</span>	Supported <span>Optional ✓</span>
NB-IoT	Supported <span>Optional ✓</span>	Supported <span>Optional ✓</span>
Ethernet	10/100/1000Mbps ethernet	10/100/1000Mbps ethernet
Serial Interface	3 RS232 interfaces 1 RS485 interface	4 RS232 interfaces 1 RS485 interface
Industrial Bus	CAN Bus <span>Optional ✓</span>	CAN Bus <span>Optional ✓</span>
Cameras Interface	\	2 USB3.0 (Type-A) cameras interfaces Supports dual 4K HD cameras input
Gyroscope	\	Nine axis (Acceleration+Gyroscope+Magnetometer)
USB	1 Micro USB 2.0 OTG interface	2 USB2.0 Host (Type-A) interfaces 2 USB3.0 Host (Type-A) interfaces 1 USB3.0 OTG (Type-C) interface
Audio	\	1 Stereo audio output jack
SD Card	\	1 Micro SD3.0 slot
PSAM	\	1 Micro PSAM slot