

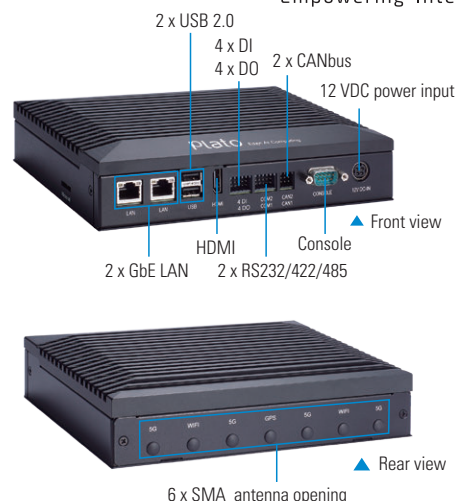
# RSC100 NEW

Fanless Edge AI Computer Vision System with Hailo-8™ Processor, HDMI, GbE LAN, COM, DIO, CANbus, and Wi-Fi/Bluetooth/5G/LTE Wireless Connection

## Features

- Hailo-8™ AI processor, up to 26 TOPS
- Advanced AI performance, ideal for smart city applications
- Dual GbE for GigE cameras and LiDAR connectivity
- Dual COM/Dual CANbus/8-CH DI/DO
- Supports Wi-Fi/Bluetooth/5G/LTE wireless connection
- Wide operating temperature from -20°C to +70°C
- Supports Linux operating system

**HAILO**  
Empowering Intelligence



## Specifications

|                       |                                                                                                                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard Color        | Black                                                                                                                                                                                          |
| Construction          | Aluminum extrusion and heavy-duty steel, IP40                                                                                                                                                  |
| CPU                   | NXP® i.MX 8QuadMax processor                                                                                                                                                                   |
| GPU                   | SoC integrated                                                                                                                                                                                 |
| AI Accelerator        | Hailo-8™, up to 26 TOPS                                                                                                                                                                        |
| System Memory         | 4GB LPDDR4 onboard                                                                                                                                                                             |
| Carrier Board         | SCB100                                                                                                                                                                                         |
| System I/O Outlet     | 1 x HDMI 2.0 with 4K2K supported<br>2 x 10/100/1000 Mbps Ethernet<br>2 x RS-232/422/485<br>2 x CANbus<br>2 x USB 2.0<br>4 x DI<br>4 x DO<br>1 x Console port<br>7 x SMA-type antenna connector |
| Watchdog Timer        | Dual watchdog timer                                                                                                                                                                            |
| Storage               | Onboard 16GB eMMC<br>1 x M.2 Key M 2280 SATA SSD slot<br>1 x Micro SD slot                                                                                                                     |
| Expansion Interface   | 2 x Full-size PCI Express Mini Card slot<br>1 x M.2 Key B 3052 slot<br>1 x SIM slot                                                                                                            |
| System Indicator      | N/A                                                                                                                                                                                            |
| Power Supply          | 12 VDC                                                                                                                                                                                         |
| Operating Temperature | -20°C to +70°C (-4°F to +158°F)                                                                                                                                                                |
| Humidity              | 10% - 95%, non-condensing                                                                                                                                                                      |
| Vibration Endurance   | 3 Grms with M.2 (5 to 500Hz, X, Y, Z directions)                                                                                                                                               |
| Dimensions            | 200 mm (7.87") (W) x 150 mm (5.9") (D) x 45 mm (1.77") (H)                                                                                                                                     |
| Weight (net/gross)    | 2.1 kg (4.63 lb)/2.75 kg (6.06 lb)                                                                                                                                                             |
| Certifications        | CE, FCC Class A                                                                                                                                                                                |
| OS Support            | Yocto Linux 3.0                                                                                                                                                                                |

## Packing List

1 x 4P to DIN type power cable

## Power Protection

### DC Version

OVP (over voltage protection)  
OCP (over current protection)  
Reverse protection

## Ordering Information

### Standard

|        |                                                                                                                                                 |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| RSC100 | Fanless Edge AI system with AI accelerator, i.MX 8QuadMax, 4GB RAM, 16GB eMMC, 1 HDMI, 2 GbE LAN, 2 USB 2.0, 2 COM, 2 CAN, 4-CH DI, and 4-CH DO |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------|

## Optional Accessory

Wall mount kit  
M.2 SATA SSD module  
MicroSD card  
WiFi/Bluetooth module  
5G module  
LTE module  
Power adapter  
Power cord

\* Specifications and certifications may vary based on different requirements.