## 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**

### 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

**Carried Board**
SCB100

**System I/O Outlet**
- 1 x HDMI 2.0 with 4K2K supported
- 2 x 10/100/1000 Mbps Ethernet
- 2 x RS-232/422/485
- 2 x CANbus
- 2 x USB 2.0
- 4 x DI
- 4 x DO
- 1 x Console port
- 7 x SMA-type antenna connector

**Watchdog Timer**
Dual watchdog timer

**Storage**
Onboard 16GB eMMC
1 x M.2 Key M 2280 SATA SSD slot
1 x Micro SD slot

**Expansion Interface**
- 2 x Full-size PC Express Mini Card slot
- 1 x M.2 Key B 3052 slot
- 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 Gs max with M.2 (5 to 50Hz, 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.

Updated Feb. 16, 2022.

* All specifications and photos are subject to change without notice.