

RSC101 NEW

Fanless Edge AI Computer Vision System with Hailo-8™ AI Accelerator, HDMI, GbE LAN, USB 3.2, DIO, and Wi-Fi/Bluetooth/5G Wireless Connection

HAILO
Empowering Intelligence



Features

- Hailo-8™ AI Accelerator, up to 26 TOPS
- Palm size with high AI computing performance
- Supports dual GbE LAN for cameras
- Supports Wi-Fi/Bluetooth/5G wireless connection
- Wide operating temperature from -10°C to +70°C
- Wide voltage input from 12 to 24 VDC
- Supports Linux
- Ideal for edge AI smart city applications
- IP40 rating cover kit for semi-outdoor applications



Specifications

Standard Color	Black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Celeron® processor J6413
AI Accelerator	Hailo-8™ SoC, up to 26 TOPS
System Memory	1 x DDR4 SO-DIMM slot, up to 32GB
System I/O Outlet	1 x HDMI 1.4 with 4K2K supported 2 x 10/100/1000 Mbps Ethernet 1 x USB 3.2 Gen1 1 x USB 2.0 1 x 8-CH DI/DO (programmable) 1 x 12 to 24 VDC power input 1 x Reset button 4 x SMA-type antenna connector
Storage	1 x M.2 Key B 2242 SSD slot (SATA3)
Expansion Interface	1 x M.2 Key E 2230 for Wi-Fi/Bluetooth 1 x M.2 Key B 3052 for 5G 1 x SIM slot
System Indicator	1 x Green LED for system power-on 1 x Yellow LED for M.2 storage
Power Supply	12 to 24 VDC
Operating Temperature	-10°C to +70°C (14°F to +158°F)
Storage Temperature	-20°C to +80°C (-4°F to +176°F)
Humidity	10% - 95%, non-condensing

Specifications

Vibration Endurance	3.5 Grms (5 to 500Hz, X, Y, Z directions)
Dimensions	150.0 mm (5.91") (W) x 111.0 mm (4.37") (D) x 71.7 mm (2.82") (H)
Weight (net/gross)	1.5 kg (3.31 lb)/ 1.9 kg (4.19 lb)
Certifications	CE, FCC Class A
OS Support	Linux

Packing List

RSC101 system unit x 1
 2-pin terminal block to DC jack cable x 1
 Wall mount bracket pack x 1
 Screws pack for wall mount x 1
 Screws pack for extension M.2 slot x 1

Ordering Information

Standard

RSC101-H-AX	Fanless edge AI system with Hailo-8 AI accelerator, Intel® Celeron® processor J6413, HDMI, 2 GbE LAN, 2 USB, 8-CH DI/DO, 8GB SO-DIMM DDR4, and 64GB M.2 SSD
RSC101-H-0	Fanless edge AI system with Hailo-8 AI accelerator, Intel® Celeron® processor J6413, HDMI, 2 GbE LAN, 2 USB, and 8-CH DI/DO (Order SO-DIMM DDR4 & M.2 SSD from optional accessories list)

Optional

DDR4 SO-DIMM	2GB, 8GB or 16GB
M.2 SATA SSD	64GB or 128GB or 256GB
5G Module Kit	5G module, antennas and coaxial cables
Wi-Fi/Bluetooth Module Kit	Wi-Fi/Bluetooth module, antennas and coaxial cables
50966124050E	Power adapter 12V/60W
599000001100	Power cord (US)
59904010000E	Power cord (UK)
59903000000E	Power cord (EU)
59906000010E	Power cord (JP)

* Specifications and certifications may vary based on different requirements.

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US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660