

## RZ Ecosystem Partner Solution GTC-RS-G2L100



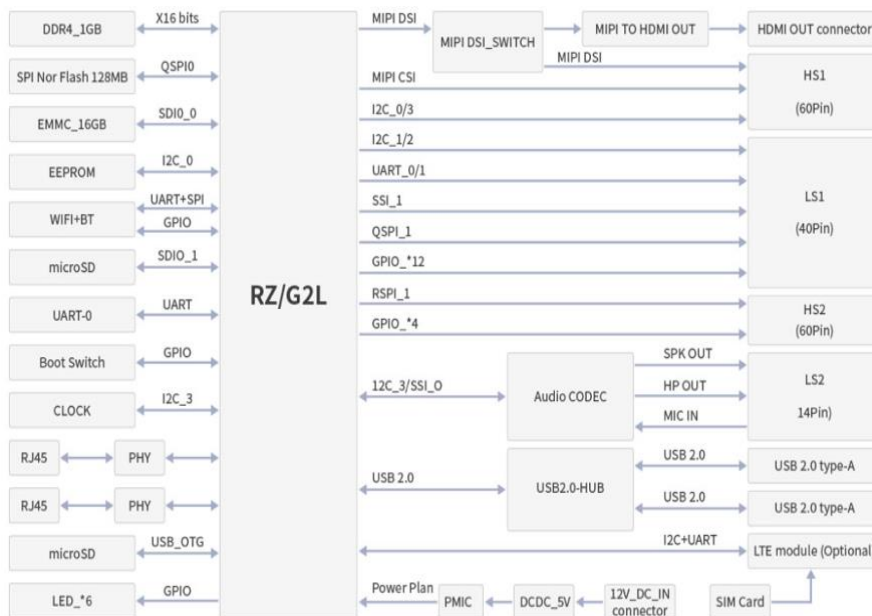
### Solution Summary

The **Geniatech AHAURA RS-G2L100** includes a high-performance 64-bit Dual-core (Cortex A55) processor - **RZ/G2L**, HDMI out display support at resolutions up to 1080P, hardware video decodes up to 1080P, up to 4GB of RAM, dual-band 2.4/5.0 GHz wireless LAN, Bluetooth (BT 5.1 compliant BLE) two Gigabit Ethernet, two USB 2.0 and LTE Cat-M1, as well as supporting different high-speed interfaces such as MIPI-DSI / MIPI-CSI / USB2.0 and low speed 96Boards Mezzanine Connector.

### Features/Benefits

- High-performance 64-bit Dual-Core processor
- HDMI out display support at resolutions up to 1080P
- Hardware video decodes at up to 1080P; up to 4GB of RAM
- Dual-band 2.4/5.0 GHz wireless LAN, Bluetooth 4.0, Bluetooth (BT 5.1 compliant BLE)
- Multi-Highspeed Connectivity: 2 Gbit Ethernet, 2 USB 2.0 and LTE Cat-M1 Modem.

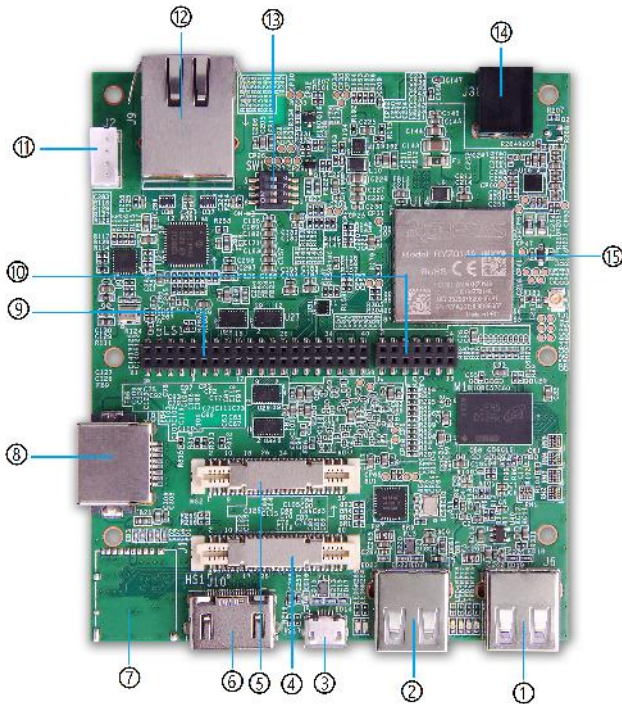
### Diagrams/Graphics



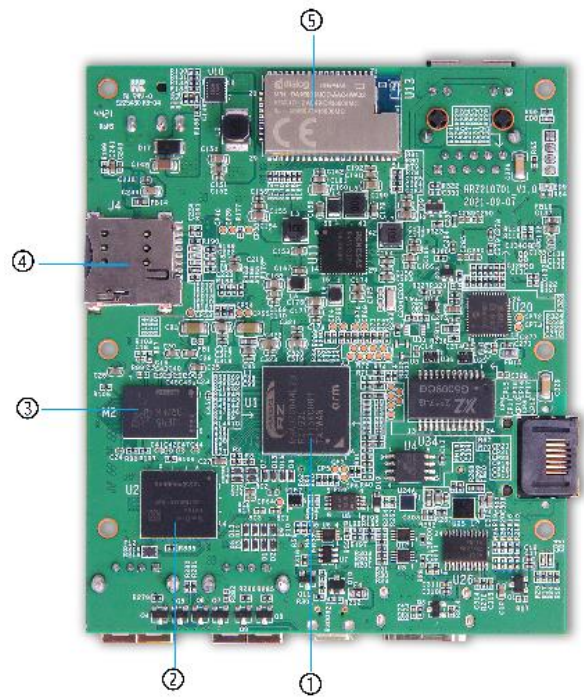
### Target Markets and Applications

- Industrial control
- Smart home
- POS / Retail
- Security/ Visual AI

## Board View of GTC-RS-G2L100



Top view



Bottom view

No.	Name
①	USB2.0 HOST
②	USB2.0 HOST
③	USB-OTG
④	High-Speed Connector1
⑤	High-Speed Connector2
⑥	HDMI Connector
⑦	SD CARD Socket (up to 64GB)
⑧	Gigabit RJ45 Connector1
⑨	Low-Speed Connector1
⑩	Low-Speed Connector2
⑪	UART Debug connector
⑫	Gigabit RJ45 Connector2
⑬	Model Switch
⑭	DC-IN Jack
⑮	LTE/4G

No.	Name
①	RZ/G2L SOC
②	8G eMMC
③	4G DDR4
④	SIM Card SLOT (micro)
⑤	WIFI/BT Module

Learn more:

<https://www.geniatech.com/product/renesas-development-board/>

Contact

0204 Room,10th Floor,No.8A,Dashi 1st AVE.,  
Nanshan District,Shenzhen,China

Tel. + 86 755 86028588

E-Mail: [sales@geniatech.com](mailto:sales@geniatech.com)

Website: <https://www.geniatech.com>