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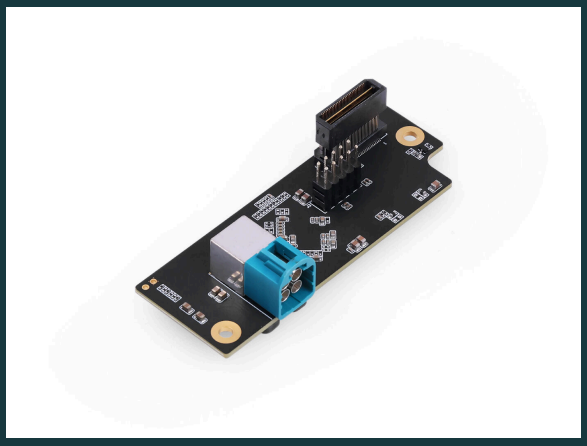
INDUSTRIAL PRODUCT DATASHEET

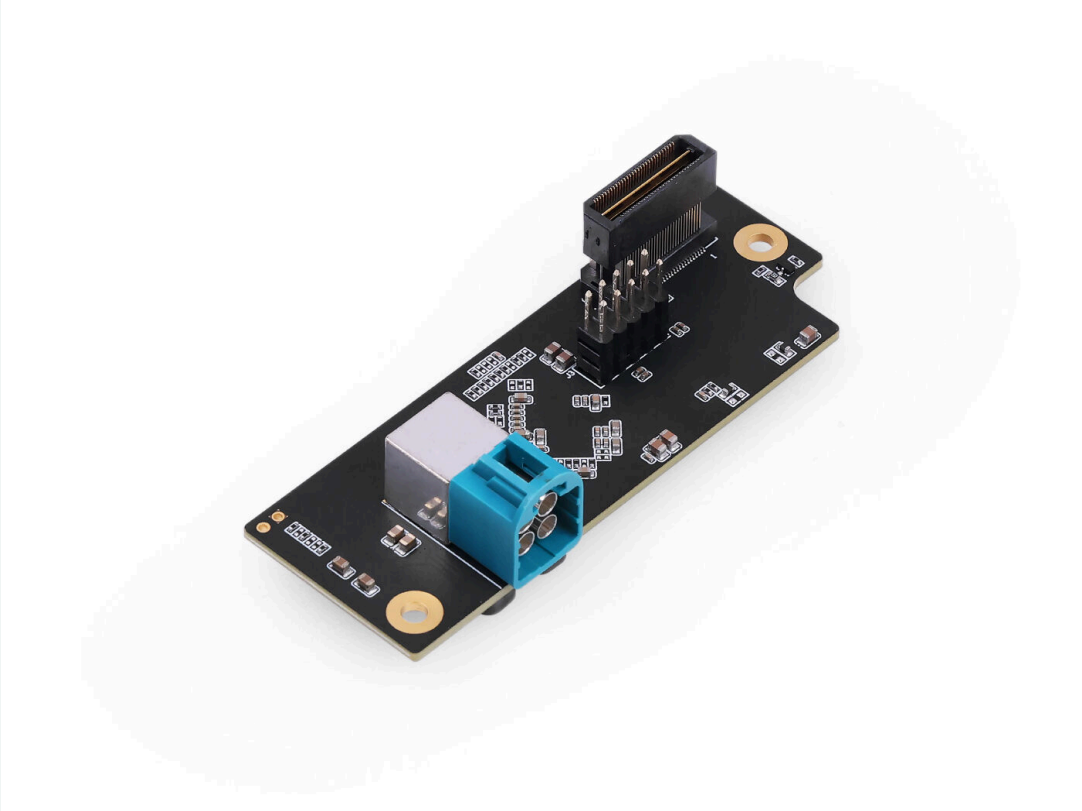
reComputer Robotics GMSL Board

reComputer Robotics GMSL board is a GMSL extension board designed specifically for reComputer Robotics series of Jetson™ Orin™ NX and Orin™ Nano.

SKU	UPDATED	PRICE
100071398	2026-04-15 10:10:28	$49.00(Excl. VAT)



Overview



reComputer Robotics GMSL board is a GMSL extension board designed specifically for reComputer Robotics series of Jetson™ Orin™ NX and Orin™ Nano. Both data and power are sent through coaxial cable. It uses MAX96712 as deserializer, and can be compatible with GMSL cameras that use MAX96717/MAX9295A as serializer. This GMSL board currently has native support for multiple Sensing cameras and Orbbec Gemini 335LG, and can be connected up to 4 cameras simultaneously.

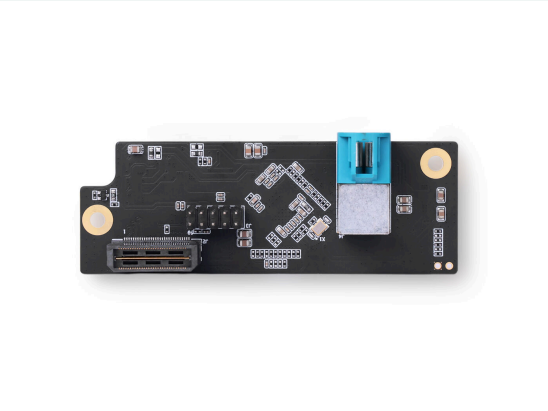
Key Features

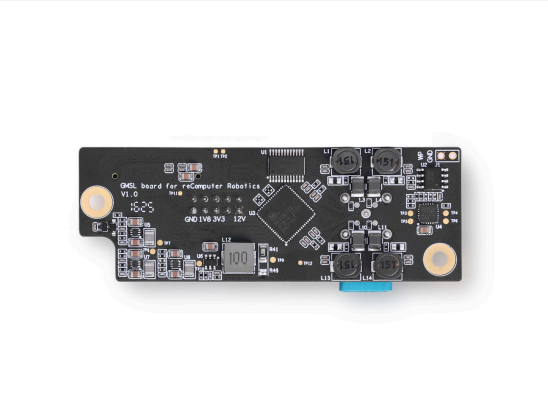
01 **Industry-standardDeserializerSelectionUsesMAX96712asdeserializer**

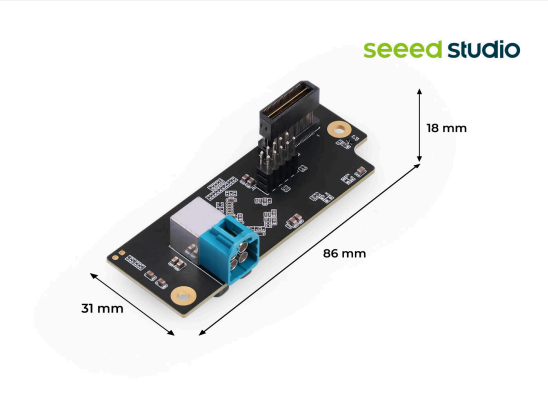
02 **6GbpsDataRate SupportSupportsupto6Gbpsdatarateperchannel**

03 **Ready-toUseGMSLCameramodelsSupportsmultipleGMSLcamerasinJetpack(Seetablebelowformodels)**

Product Gallery





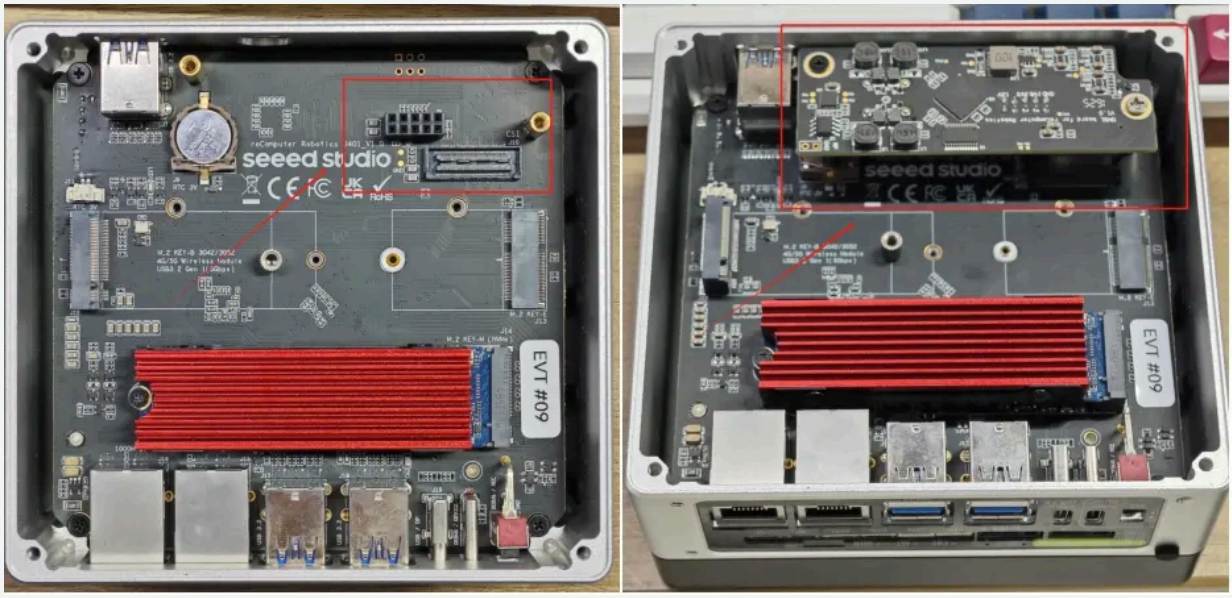


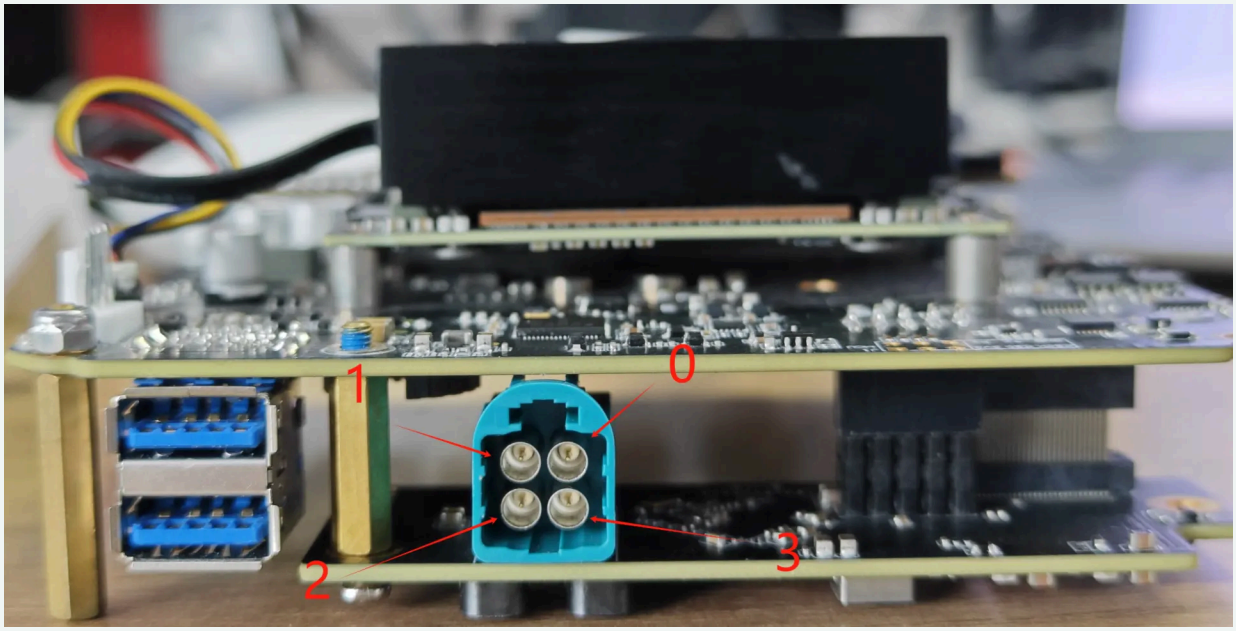
Specification

Product: reComputer Robotics GMSL Board
Deserializer: MAX96712
Operating Temperature: -20℃~60℃
Mechanical Dimension: 86mm x 31mm x 18mm
CamerasSupportedinJetpack
SG3S-ISX031C-GMSL2F
Orbbec Gemini 335LG

Manufacturer	Model	Resolution
Sensing		1920H*1536V
Sensing	SG2-AR0233C-5200-G2A	1920H*1080V
Sensing	SG2-IMX390C-5200-G2A	1920H*1080V
Sensing	SG8S-AR0820C-5300-G2A	3840H*2160V
Orbbec		3D

Hardware Overview





Applications

- **Robotics(Object detection and 3D reconstruction)**
- **BEV Detection**
- **High-Performance Vision for Robotics:** Sensing 3MP GMSL 2 camera supports real-time object detection, panoramic environment awareness, and multi-camera 3D reconstruction. The high-bandwidth, low-latency GMSL 2 link supports long cable runs and multi-camera setups, while the Jetson Orin NX delivers real-time AI processing for perception, mapping, and control.
- **3D Vision and GMSL 2 Connectivity for Robotics:** The reComputer Robotics GMSL Extension supports the Orbbec Gemini 335LG Stereo Vision 3D Camera, providing accurate real-time 3D perception. With the MAX96712 deserializer and mini-FAKRA connector, it ensures secure, low-latency, and reliable data transmission. Precise depth sensing enables navigation, object recognition, and obstacle avoidance across mobile robots, delivery systems, and shelf-stocking applications.

Part List

reComputerGMSLBoard	x1
M3Stud	x2
M3Screw	x2

Compliance & Logistics

HSCODE	8473309000
USHSCODE	8473309100
EUHSCODE	8471707000
COO	CHINA

Logistics	Value
ECCN	EAR99
HSCODE	8473309000
USHSCODE	8473309100
EUHSCODE	8471707000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/reComputer-Robotics-GMSL-board-p-6511.html
- Schematics

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