

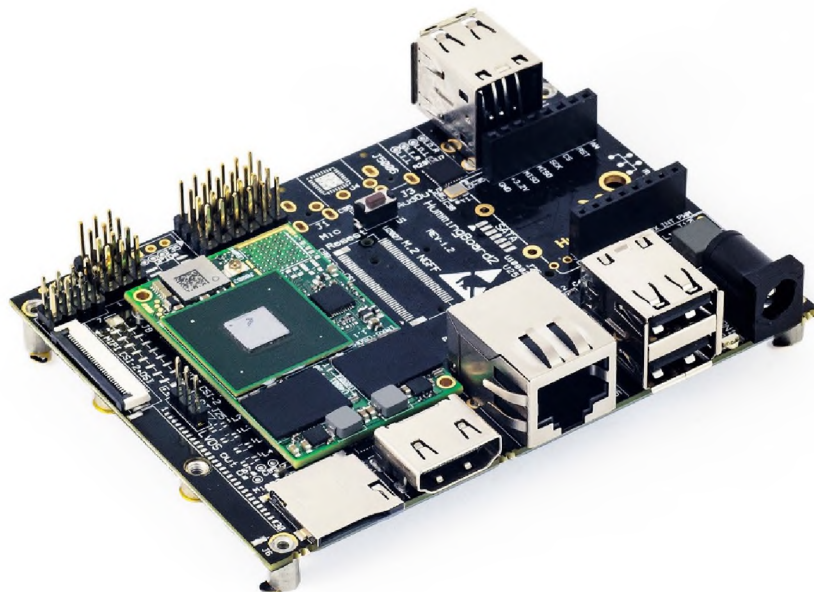


NXP-Freescale i.MX6

HummingBoard Gate

Carrier Board for iMX6 SoM (System-On-Module)

Rev 1.2



Simple. Robust. Computing Solutions

SolidRun Ltd.

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Overview

HummingBoard-Gate is the first SBC to include an integrated mikroBUS™ socket offering an easy hardware configuration to MikroElektronika's wide range of click boards™ add-on modules. The mikroBUS™ pinout and the click board ecosystem is especially suitable for developers who are working on multi-purpose, modular products.

HummingBoard Gate Highlighted Features

- ✿ Based on NXP's iMX6 Single to Quad Core
- ✿ Up to 2GB DDR3
- ✿ Featuring mikroBUS, perfect for quick demo / proof of concept
- ✿ Robust design

System Specifications

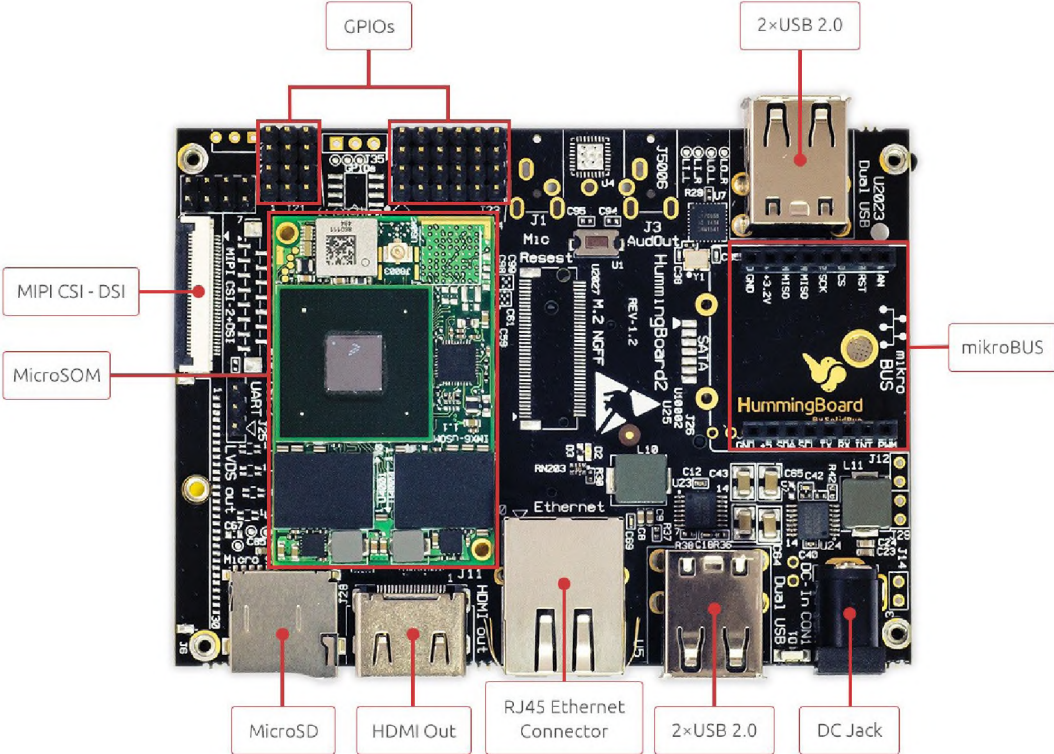
HummingBoard Gate	
SoM Model	i.MX6 based Solo to Quad Core SoM
Memory and Storage	Up to 2GB DDR3 uSD M.2 (2242)*
Connectivity	1×RJ-45** 4×USB 2.0 mPCIE with SIM card holder
Media	HDMI-Out MIPI-CSI-2 and MIPI-DSI Parallel Camera (on GPIO header)
I/O	Reset Button, 36 pins GPIO Header RTC with battery mikroBUS click interface
Power	7V-36V, 5.5mm in (Twist and Lock mechanism)
Software	Linux
Dimensions (WxL)	102mm×69mm
Enclosure	Optional Metal Enclosure

(*) Note that due to internal i.MX6 buses the 1000Mbps interface speed is limited to 470Mbps.

(**) 1000Mbps link is limited to 470Mbps actual bandwidth due to internal chip buses limitation.

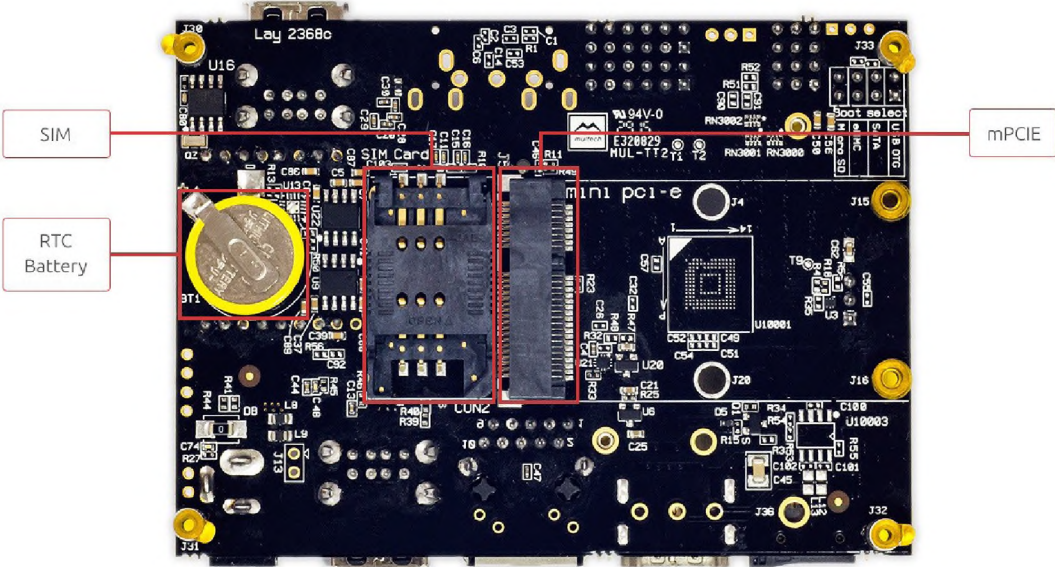
Interfaces

Top View



Interfaces

Bottom View



Available SKUs for HummingBoard Gate

SKU	Description
SRHBCGE000CV12	HummingBoard Gate No eMMC Com. Temp R1.2
SRHBCGE000IV12	HummingBoard Gate No eMMC Ind. Temp R1.2

Safety Notice

- a. This device is to be used with Certified Power adaptor with output rated 12VDC, 1.5A. Power adapter must meet Limited power source (LPS) requirements.
- b. Power adapter must meet local safety standards and requirements based on product intended use.
- c. Power adapter must meet Operating environment conditions as specified above.

Disposal

Follow local regulations regarding disposal of the product. Dispose of your product in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited.

Help us protect the environment- recycle!

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Documentation

Additional documentation available at:

<http://wiki.solid-run.com/doku.php?id=products:imx6:documents>