



NXP-Freescale i.MX6

HummingBoard Gate



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 (W×L)	102mm×69mm
Enclosure	Optional Metal Enclosure

(*) Supported with SOM i2eX and above.

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

Available* SKUs for HummingBoard Gate

SKU	Description
SRMX6SOWT1D512E008G00CH	SOM iMX6 Solo HummingBoard Gate Inc. WiFi/BT 512MB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRMX6SOW00D512E008G00CH	SOM iMX6 Solo HummingBoard Gate No WiFi/BT 512MB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRMX6SOWT1D512E008G00CE	SOM iMX6 Solo HummingBoard Gate Inc. WiFi/BT 512MB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure
SRMX6SOW00D512E008G00CE	SOM iMX6 Solo HummingBoard Gate No WiFi/BT 512MB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure
SRMX6DLWT1D01GE008G00CH	SOM iMX6 Dual-lite HummingBoard Gate Inc. WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRMX6DLW00D01GE008G00CH	SOM iMX6 Dual-lite HummingBoard Gate No WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRMX6DLWT1D01GE008G00CE	SOM iMX6 Dual-lite HummingBoard Gate Inc. WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure
SRMX6DLW00D01GE008G00CE	SOM iMX6 Dual-lite HummingBoard Gate No WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure
SRMX6DUWT1D01GE008G00CH	SOM iMX6 Dual HummingBoard Gate Inc. WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRMX6DUW00D01GE008G00CH	SOM iMX6 Dual HummingBoard Gate No WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRMX6DUWT1D01GE008G00CE	SOM iMX6 Dual HummingBoard Gate Inc. WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure
SRMX6DUW00D01GE008G00CE	SOM iMX6 Dual HummingBoard Gate No WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure
SRMX6QDWT1D02GE008G00CH	SOM iMX6 Quad HummingBoard Gate Inc. WiFi/BT 2GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRMX6QDW00D02GE008G00CH	SOM iMX6 Quad HummingBoard Gate No WiFi/BT 2GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink
SRMX6QDWT1D02GE008G00CE	SOM iMX6 Quad HummingBoard Gate Inc. WiFi/BT 2GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure
SRMX6QDW00D02GE008G00CE	SOM iMX6 Quad HummingBoard Gate No WiFi/BT 2GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure

(*) Different configurations available for MOQ

Safety Notice

- 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.
- Power adapter must meet local safety standards and requirements based on product intended use.
- 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

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