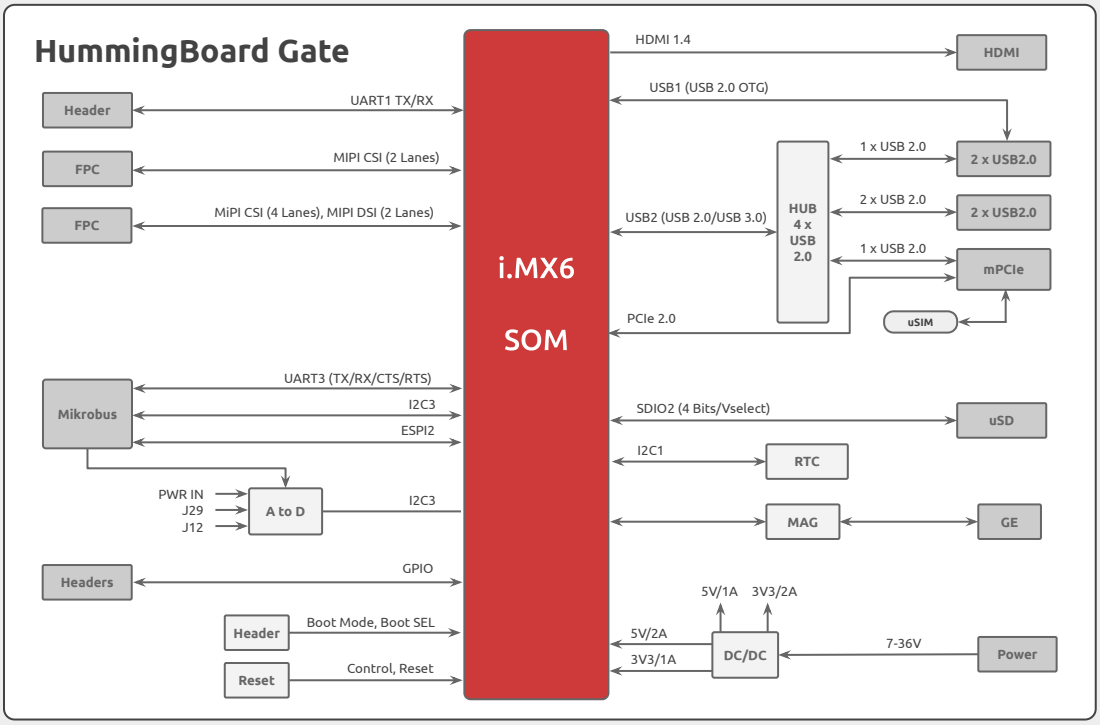
# HummingBoard Gate SBC

Up to 4 x Arm Cortex-A9 cores

- SoC: NXP i.MX6 based Solo to Quad Core SOM Cortex A9
- Memory: Up to 2GB
- Storage: uSD , M.2 (HummingBoard Edge)
- Temperature: Commercial (0C to 70C), Industrial (-40C to 85C)
- OS: Linux

debian yocto PROJECT android

| | specification |
|---|---|
| I/O | 4 x USB 2.0<br>1 x MIPI-CSI-2<br>1 x Parallel Camera |
| Networking | 1 x Ethernet RJ45 10/100/1000 (max 470 MB/s)<br>1 x 802.11 a/b/g/n WiFi and Bluetooth (2.4 GHz) |
| Processor | NXP i.MX 6 Single to Quad-core Arm Cortex A9 up to 1GHz |
| Memory & Storage | Up to 2GB DDR3<br>8GB eMMC<br>MicroSD |
| Display | HDMI<br>MIPI-DSI |
| Misc. | Reset Button<br>36 pins GPIO Header<br>RTC with Battery |
| Development and Debug interfaces | UART Header |
| Power | 7V - 36V |
| Expansion card I/Os | mikroBUS header<br>Mini PCIe with SIM holder |
| Temperature | Commercial: 0°C to 70°C<br>Industrial: -40°C to 85°C |
| Dimensions | PCBA: 100 x 70mm<br>Enclosure: 120 x 80 x 30mm |
| Enclosure | Extruded aluminum |



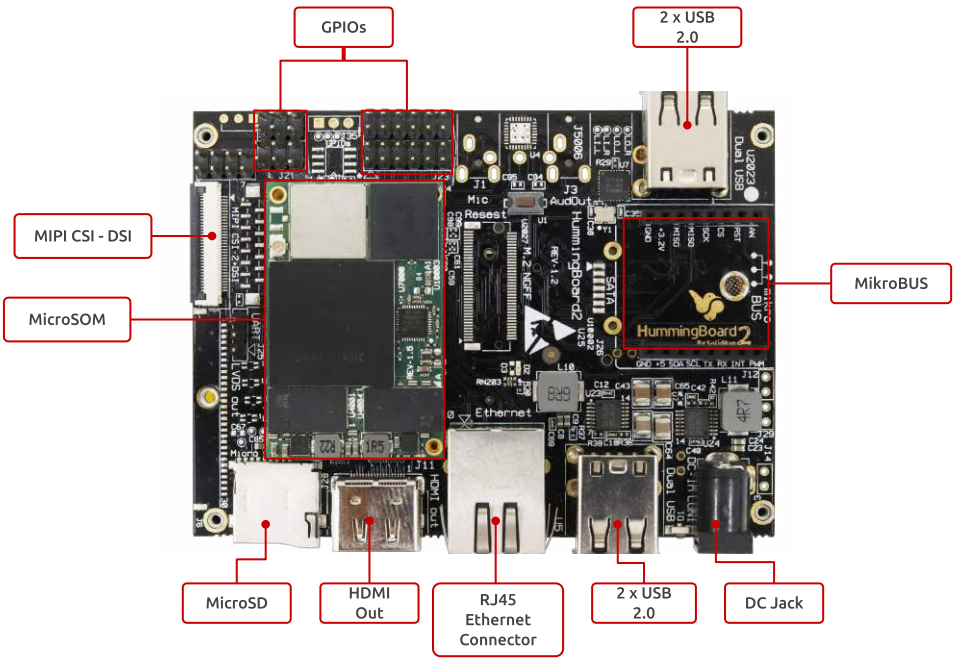

## Available on Shop

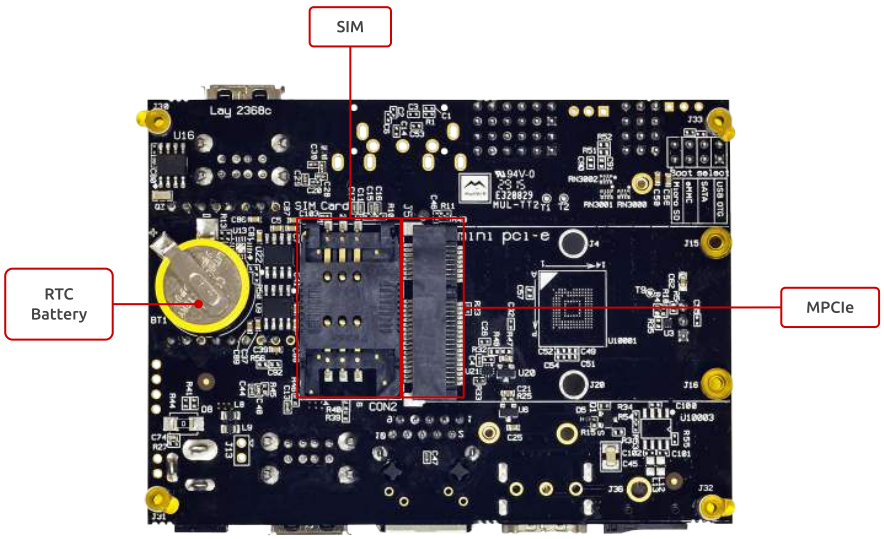
| SKU | Description |
|---|---|
| SRMX6SOW00D512E008G00CH | SOM i.MX6 Solo \| HummingBoard Gate \| No WiFi/BT \| 512MB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Heatsink |
| SRMX6SOWT1D512E008G00CH | SOM i.MX6 Solo \| HummingBoard Gate \| Inc. WiFi/BT \| 512MB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Heatsink |
| SRMX6DLW00D01GE008G00CH | SOM i.MX6 Dual-lite \| HummingBoard Gate \| No WiFi/BT \| 1GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Heatsink |
| SRMX6DLWT1D01GE008G00CH | SOM i.MX6 Dual-lite \| HummingBoard Gate \| Inc. WiFi/BT \| 1GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Heatsink |
| SRMX6DUW00D01GE008G00CH | SOM i.MX6 Dual  \| HummingBoard Gate \| No WiFi/BT \| 1GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Heatsink |
| SRMX6DUWT1D01GE008G00IH | SOM i.MX6 Dual \| HummingBoard Gate \| Inc. WiFi/BT \| 1GB RAM \| 8GB eMMC \| Ind. Temp \| R00 \| Inc. Heatsink |
| SRMX6QDW00D02GE008G00CH | SOM i.MX6 Quad \| HummingBoard Gate \| No WiFi/BT \| 2GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Heatsink |
| SRMX6QDWT1D02GE008G00CH | SOM i.MX6 Quad \| HummingBoard Gate \| Inc. WiFi/BT \| 2GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Heatsink |
| SRMX6SOW00D512E008G00CE | SOM i.MX6 Solo \| HummingBoard Gate \| No WiFi/BT \| 512MB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Enclosure |
| SRMX6SOWT1D512E008G00CE | SOM i.MX6 Solo \| HummingBoard Gate \| Inc. WiFi/BT \| 512MB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Enclosure |
| SRMX6DLW00D01GE008G00CE | SOM i.MX6 Dual-lite \| HummingBoard Gate \| No WiFi/BT \| 1GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Enclosure |
| SRMX6DLWT1D01GE008G00CE | SOM i.MX6 Dual-lite \| HummingBoard Gate \| Inc. WiFi/BT \| 1GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Enclosure |
| SRMX6DUW00D01GE008G00CE | SOM i.MX6 Dual \| HummingBoard Gate \| No WiFi/BT \| 1GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Enclosure |
| SRMX6DUWT1D01GE008G00IE | SOM i.MX6 Dual \| HummingBoard Gate \| Inc. WiFi/BT \| 1GB RAM \| 8GB eMMC \| Ind.Temp \| R00 \| Inc. Enclosure |
| SRMX6DUWT1D01GE008G00CE | SOM i.MX6 Dual \| HummingBoard Gate \| Inc. WiFi/BT \| 1GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Enclosure |
| SRMX6QDW00D02GE008G00CE | SOM i.MX6 Quad \| HummingBoard Gate \| No WiFi/BT \| 2GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Enclosure |
| SRMX6QDWT1D02GE008G00CE | SOM i.MX6 Quad \| HummingBoard Gate \| Inc. WiFi/BT \| 2GB RAM \| 8GB eMMC \| Com.Temp \| R00 \| Inc. Enclosure |

- **To choose your ideal configuration see our Product Configurator Tool**

## Accessories:

| SKU | Description |
|---|---|
| PA00012 | 12V 1.5A US Power Adapter |
| PA00013 | 12V 1.5A EU Power Adapter |
| AN00016 | 2.4/5GHz SMA Antenna |
| AN00009 | 2.4GHz SMA Antenna |
| MSD016B | Micro SD 16GB |
| QT00EC25AU | Quectel EC25AU - LTE Cat 4 AU |
| QT00EC25A | Quectel EC25AU - LTE Cat 4 US |
| QT00EC25E | Quectel EC25AU - LTE Cat 4 EU |




For more information about the HummingBoard Gate Software/Hardware visit our:

**Developer Center**