



NXP-Freescale i.MX6

HummingBoard Edge



Simple. Robust. Computing Solutions

SolidRun Ltd.

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Overview

HummingBoard-Edge is the ideal M2M platform, it was developed to meet the B2B market demand for a high performance, reliable and innovative device. The brand new HummingBoard-Edge includes a whole new set of features such as eMMC (4GB), mPCIe (Half or Full Size) , wide range input (7V-36V) , optional metal enclosure and much more.

HummingBoard Edge Highlighted Features

- ✿ Based on NXP's iMX6 Single to Quad Core
- ✿ Up to 2GB DDR3
- ✿ Optimal IoT platform
- ✿ Feature rich

System Specifications

| HummingBoard Edge | |
|---------------------------|---|
| SOM Model | i.MX6 based Solo to Quad Core SOM |
| Memory and Storage | Up to 2GB DDR3 uSD eMMC (8GB) 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) LVDS Analog Audio |
| I/O | Reset Button 36 pins GPIO Header RTC with battery IR |
| Power | 7V-36V, 5.5mm in (Twist and Lock mechanism) |
| Software | Linux |
| Dimensions (WxL) | 102mm×69mm |
| Enclosure | Optional Metal Enclosure |

(*) Supported with SOM i2eX and above.

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

Available* SKUs for HummingBoard Edge

| SKU | Description |
|-------------------------|---|
| SRMX6SOWT1D512E008E00CH | SOM iMX6 Solo HummingBoard Edge Inc. WiFi/BT 512MB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink |
| SRMX6SOW00D512E008E00CH | SOM iMX6 Solo HummingBoard Edge No WiFi/BT 512MB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink |
| SRMX6SOWT1D512E008E00CE | SOM iMX6 Solo HummingBoard Edge Inc. WiFi/BT 512MB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure |
| SRMX6SOW00D512E008E00CE | SOM iMX6 Solo HummingBoard Edge No WiFi/BT 512MB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure |
| SRMX6DLWT1D01GE008E00CH | SOM iMX6 Dual-lite HummingBoard Edge Inc. WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink |
| SRMX6DLW00D01GE008E00CH | SOM iMX6 Dual-lite HummingBoard Edge No WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink |
| SRMX6DLWT1D01GE008E00CE | SOM iMX6 Dual-lite HummingBoard Edge Inc. WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure |
| SRMX6DLW00D01GE008E00CE | SOM iMX6 Dual-lite HummingBoard Edge No WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure |
| SRMX6DUWT1D01GE008E00CH | SOM iMX6 Dual HummingBoard Edge Inc. WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink |
| SRMX6DUW00D01GE008E00CH | SOM iMX6 Dual HummingBoard Edge No WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink |
| SRMX6DUWT1D01GE008E00CE | SOM iMX6 Dual HummingBoard Edge Inc. WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure |
| SRMX6DUW00D01GE008E00CE | SOM iMX6 Dual HummingBoard Edge No WiFi/BT 1GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure |
| SRMX6QDWT1D02GE008E00CH | SOM iMX6 Quad HummingBoard Edge Inc. WiFi/BT 2GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink |
| SRMX6QDW00D02GE008E00CH | SOM iMX6 Quad HummingBoard Edge No WiFi/BT 2GB DDR 8GB eMMC Com. Temp R00 Inc. Heatsink |
| SRMX6QDWT1D02GE008E00CE | SOM iMX6 Quad HummingBoard Edge Inc. WiFi/BT 2GB DDR 8GB eMMC Com. Temp R00 Inc. Enclosure |
| SRMX6QDW00D02GE008E00CE | SOM iMX6 Quad HummingBoard Edge 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

Additional documentation available at:

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