

i.MX8 HummingBoard

[imx8](#), [hummingboard](#), [carrierboard](#)



Description

HummingBoard Pulse is a match between the modular, flexible and feature-rich HummingBoard platform, and the robust i.MX8 SOM with its state-of-the-art processing and multimedia capabilities.

Take your imagination to the next level with HummingBoard Pulse. Whatever your dream is, the HummingBoard Pulse will help make it happen – the possibilities for creating the next great IoT innovation are truly limitless. It's the perfect single board computer for a wide variety of “smart” IoT solutions, ranging from multimedia, digital signage, home entertainment, autonomous cars all the way to smart cities and security networks.

Comparison Table

Description/Model	HummingBoard Pulse
SOM Model	SOM i.MX8M Dual, Quad Lite and Quad
Processor	i.MX8M Dual/Quad core ARM Cortex A53 up to 1.5Ghz (with ARM M4 GPP)
Memory and Storage	up to 4GB LPDDR4 MicroSD eMMC
Connectivity	1 x USB type C Mini PCIe M.2 2 x USB 3.0 1 x HDMI 2.0 2 x RJ45
I/O	1 x reset button 1 x configurable push button MikroBUS click interface Indication LEDs RTC IR receiver
OS Support	U-Boot + Linux Kernel 4.9, Debian, Yocto
Power	7V - 36V wide range PoE sink support

Description/Model	HummingBoard Pulse
Dimensions	102mm x 69mm
Enclosure	Optional metal enclosure

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