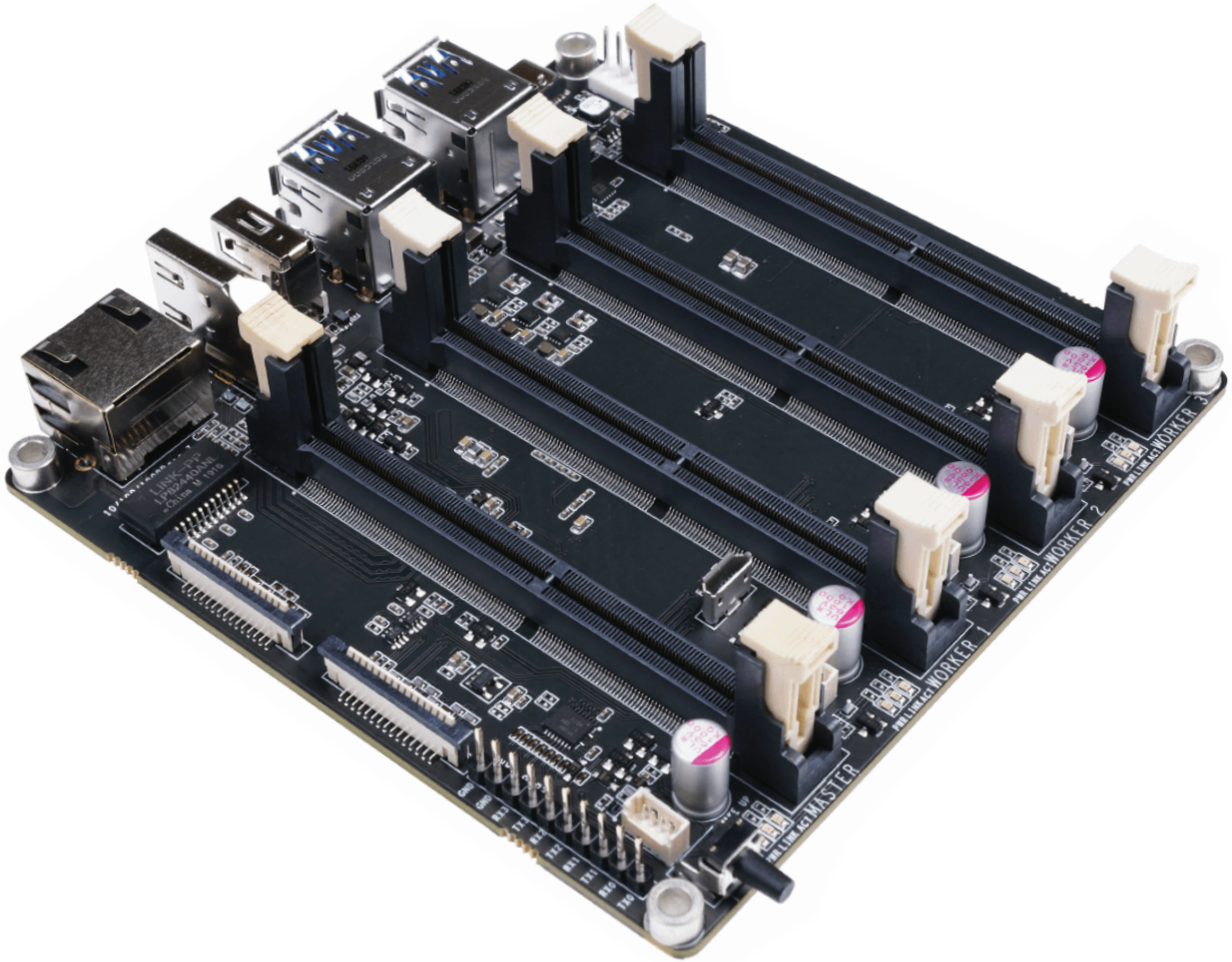


Jetson Mate With Cooling Fan

NVIDIA Jetson Nano/NX Carrier Board for GPU Cluster and Server



Reference Guide

Revision A
January 28, 2021



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Overview

Description

Jetson Mate is a carrier board which can install up to 4 NVIDIA Jetson Nano/NX SoMs. There is an onboard 5-port gigabit switch enabling the 4 SoMs to communicate with each other. The SoMs can work as master/worker modes where there can be one master and 4 workers. All the 3 worker SoMs can be powered on or off separately. With one 65w PD power adapter and one ethernet cable, developers can easily build their own Jetson Cluster.

Jetson Mate is offered as a bundle, combined with a durable Aluminum case and a RGB cooling fan. The fan can provide Jetson Mate the necessary cooling when all SoMs are functioning and the case can provide better overall protection.

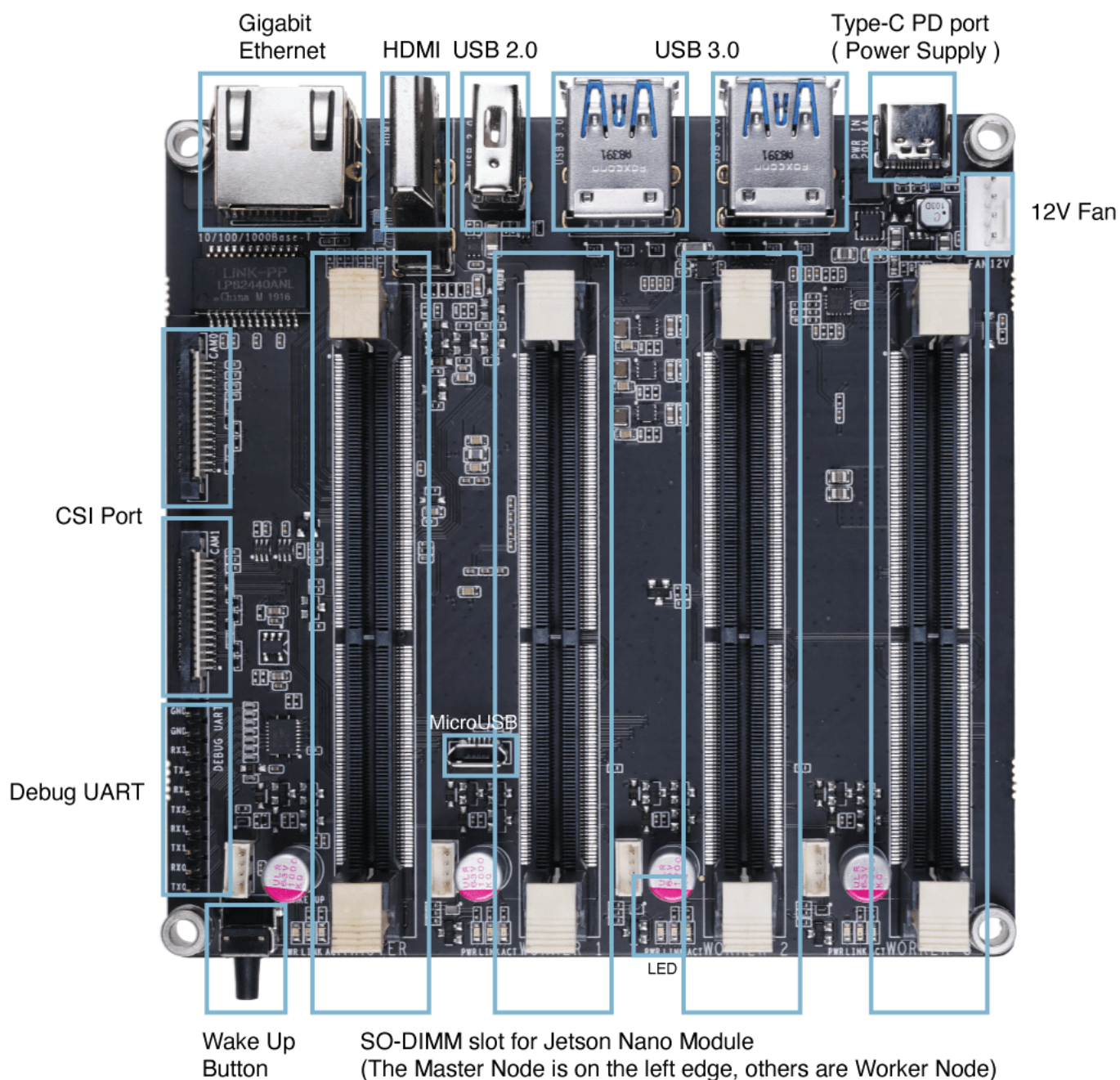
Features

- Easy to build and configure
- Powerful and compact
- Suitable for GPU cluster and server
- Durable Aluminum case for better protection
- RGB fan for better heat dissipation

Specifications

- Onboard 5-Port Gigabit Switch: Microchip KSZ9896CTXC
- Peripherals:
 - 4 x SO-DIMM Slots
 - 2 x CSI Port
 - 1 x Debug UART Port
 - 1 x Gigabit Ethernet Port
 - 1 x HDMI Port
 - 1 x USB 2.0 Port
 - 4 x USB 3.0 Ports
 - 1 x Micro-USB Port
 - 1 x Type-C PD Port
 - 1 x 12V Fan Port
 - 1 x Wake Up Button
- Power: 65W PD
- Dimensions: 110mm x 110mm

Hardware Overview



If you want to learn more such as getting started with the Jetson Mate, feel free to visit the wiki below:

<https://wiki.seeedstudio.com/Jetson-Mate>

If you still have any further questions, please visit:

forum.seeedstudio.com

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