



NVIDIA Jetson Orin NX and Jetson Orin Nano Series Supported Components List

Application Note

Document History

DA-11534-001_v1.0

Version	Date	Description of Change
1.0	September 8, 2023	<ul style="list-style-type: none">> Reformatted earlier release which was in Excel spreadsheet format.> Added Exascend EXPC4R256GB.

NVIDIA Jetson Orin Supported Components List

The Supported Component List in Table 1 provides a list of third party components that NVIDIA has qualified to work with NVIDIA® Jetson™ System on Module (SOM) modules – the NVIDIA® Jetson™ Orin NX series and the Jetson Orin Nano™ series modules.

Note that if a particular component is not listed, it indicates that there are no current plans to validate that component at NVIDIA. *It does not imply that the component will not work.*

Contact the respective vendor for any additional information, specifications, drivers, software, or additional licensing that may be required.

Table 1. Supported Components List

Supplier	Part Number	Description	Notes
TE Connectivity Ltd.	2309413-1	260-pin, right angle, SO-DIMM socket, 9.2mm height, SMT, Standard key position.	See manufacturers website for information on pricing, distributors, specifications: https://www.te.com/usa-en/product-2309413-1.html?q=DDR4%2Bso-dimm&source=header
Readore	155-0746-000	6.6mm standoff for Jetson Orin NX or Jetson Orin Nano module when using the 2309413-1 SO-DIMM socket (above).	To purchase the standoffs in quantities of 1K or greater, contact: Harrison Hao (harrison.hao@readore.com).

Supplier	Part Number	Description	Notes
Dongguan Readore Technology Co.,Ltd	320-2048-000 155-1354-000 095-0181-000	Reference heatsink and attaching hardware: Leaf spring: 320-2048-000 Screws for leaf spring: 155-1354-000 Fan heatsink: 095-0181-000	Please consult the Jetson Orin NX Thermal Design Guide to help you decide what thermal solution is appropriate for your application. To purchase the reference thermal solution, contact: Quotation: Louis Lee (louis.lee@readore.com), Cell:+86 15016979434 Delivery: Kiki Wang (kiki.wang@readore.com), Cell: +86 13763258995 Technical/Business: Harrison Hao (harrison.hao@readore.com), Cell: +86 13925858091 Minimum order quantities are 50 pieces.
Crucial	CT250P2SSD8	P2 250GB 3D NAND NVMe PCIe M.2 SSD Up to 2400MB/s	See Note 1
Western Digital	WDS500G2B0C	500GB WD Blue SN550 NVMe Internal SSD - Gen3 x4 PCIe 8Gb/s, M.2 2280, 3D NAND, up to 2,400 MB/s	See Note 1
Exascend	EXPC4R256GB	256GB PC4 series Gen4 x4 PCIe 16Gb/s, M.2 2230, 3D TLC NAND, Burst read up to 1,800MB/s, Burst write up to 1,400 MB/s	See Note 1
Sabrent	SB-ROCKET-NVMe4-1TB	1TB Rocket NVMe 4.0 PCIe M.2 Internal SSD Extreme Performance Solid State Drive	Jetson Orin NX supports up to Gen4 PCIe. Jetson Orin Nano supports up to Gen3 PCIe. See Note 1
Azurewave Tech.	AW-CB375NF	802.11 a/b/g/n/ac WIFI with Bluetooth 5.0 combo M.2 module	Validation was limited to functionality only, and included these modes of operation: STA, AP and IBSS. See Note 1.
<p>Notes:</p> <ol style="list-style-type: none"> 1. These can be supported in a carrier board design with an M.2 Key M for NVMe and M.2 Key E for Wi-Fi Module, similar to the Jetson Xavier NX Developer Kit. 2. Refer to solutions from our Jetson Ecosystem partners for carrier boards, sensors, connectivity, and so on. 			

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