SUPER HADRON-DM CARRIER

FOR NVIDIA® JETSON ORIN™ NX
& NVIDIA® JETSON ORIN™ NANO

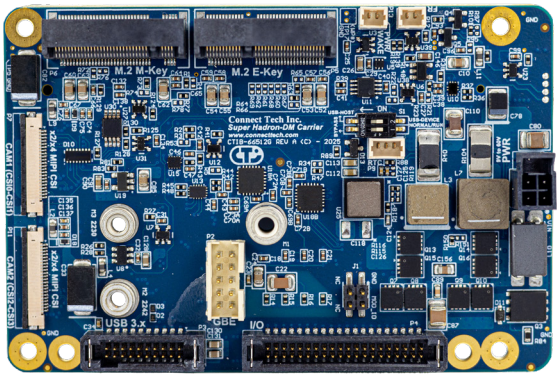
PART NUMBER: NGX027

The Super Hadron-DM Carrier Board for Jetson Orin™ NX/Nano is an ultra small, rugged and feature rich carrier for AI Computing at the Edge.

NVIDIA Elite Partner

Just slightly larger than the Jetson™ SODIMM module, Super Hadron-DM is ideal for vision applications, inference, and unmanned payloads. Super Hadron-DM features Dual MIPI CSI-2 connectors for greater versatility.

Supporting **Super Mode** for the Jetson Orin™ NX, and Jetson Orin™ Nano modules, users can transition between modules depending on their AI processing requirements.



Hadron's design includes a wide input voltage, rich I/O set as well as locking IO connectors optimized for rugged environments.

FEATURES

- ✓ Rugged latching connectors
- ✓ 2x USB3.1, 1x GbE, 2x 4-lane MIPI CSI2, 1x 2242/2230 NVMe, 1x M.2 E-Key (WiFi/BT)
- ✓ GPIO, PWM, I2C, RS-232, 3.3V UART, SPI
- ✓ Wide Input Range: +10V to +60V (+12V-+48V Nominal)

SPECIFICATIONS

Ethernet	1x 1000BASE-T Ports (Connector: Positive Locking Pin Headers)	**USB**	2 x USB 3.1 (Gen 1) 1x USB 2.0 Programming Port (HD pin headers)
Dimensions	87.6mm x 58.8mm (3.45" x 2.31")	**Storage**	1x 2242/2230 NVMe (M-Key)
MIPI Cameras	2x 4-lane MIPI CSI-2 - 22-pin FPC Connector	**Misc Interfaces**	1x 3.3VTTL UART (CONSOLE) 2x RS-232 Serial Ports 4x GPIO – 2x PWM Capable 1x 3.3V I2C 1x 3.3V SPI Power Output 3.3V, 5V (Max 500mA Each)
Operating Temperature	-25°C to +85°C (-13°F x 185°F)	**Expansion**	1x M.2 E-Key for WiFi/BT
FAN	1x 4-pin Fan Connector (5V 1x4 Picoblade)	**Power Input**	Wide Power Input: +10V to +60V DC (+12V to +48V DC Nom.)
Power - RTC Battery	3-Pin RTC Battery Connector	**Weight**	45g
Warranty and Support	1 Year Warranty and Free Support		

RoHS

Connect Tech Inc. | 489 Clair Rd. W., Guelph ON Canada | **Tel:** 519.836.1291 **Toll:** 800.426.8979 (North America) | **Email:** sales@connecttech.com | **www.connecttech.com**

Authorized Distributor

wdlsystems.com

sales@wdlsystems.com

800-548-2319

919-545-2500

220 Chatham Business Drive
Pittsboro, NC 27312