NVIDIA® JETSON™ TX2 DEVELOPER KIT

COMPLETE DEVELOPMENT PLATFORM FOR AI AT THE EDGE

The fastest, easiest way to develop hardware and software for the Jetson TX2 AI module

This advanced developer kit exposes the hardware capabilities and interfaces of the developer board, comes with design guides and other documentation, and is pre-flashed with a Linux development environment. It also supports NVIDIA Jetpack—a complete SDK that includes the BSP, libraries for deep learning, computer vision, GPU computing, multimedia processing, and much more.

The SDK includes an OS image that you'll load into your device, developer tools, supporting documentation, and code samples to help you get up and running fast with Jetson. For software updates and the developer SDK, visit developer.nvidia.com/embedded-computing.

KEY FEATURES

Jetson TX2 Module

- NVIDIA Pascal™ Architecture GPU
- Dual-Core Denver 2 64-bit CPU + Quad-Core ARM® A57 Complex
- 8 GB L128 bit DDR4 Memory
- 32 GB eMMC 5.1 Flash Storage
- Connectivity to 802.11ac WLAN and Bluetooth-Enabled Devices
- 10/100/1000BASE-T Ethernet

Buttons

- Power On/Off
- Reset
- Force Recovery
- User-Defined

Power Options

- External 19 V AC Adapter

I/O

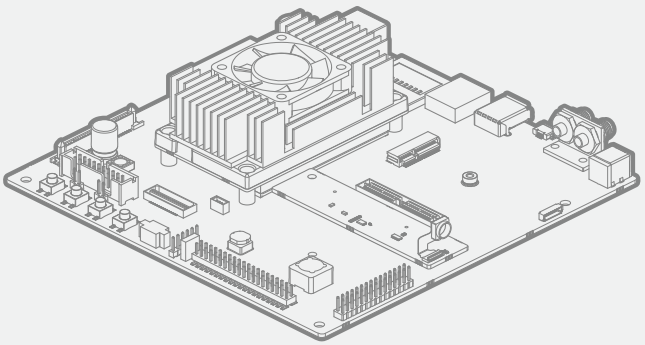
- USB 3.0 Type A
- USB 2.0 Micro AB (supports recovery and host mode)
- HDMI
- M.2 Key E
- PCI-E x4
- Gigabit Ethernet
- Full-Size SD
- SATA Data and Power
- GPIOs, I2C, I2S, SPI, CAN*
- TTL UART with Flow Control
- Display Expansion Header*
- Camera Expansion Header*

* I/O expansion headers: refer to product documentation for header specification.

KIT CONTENTS

- NVIDIA Jetson TX2 Developer Board
- AC Adapter
- Power Cord
- USB Micro-B to USB A Cable
- USB Micro-B to Female USB A Cable
- Rubber Feet (4)
- Quick Start Guide
- Safety Booklet
- Antennas to Connect to Wi-Fi-Enabled Devices (2)

NVIDIA® JETSON™ TX2
TECHNICAL SPECIFICATIONS



DEVELOPER KIT	
GPU	**NVIDIA Pascal™/ 256 NVIDIA CUDA® Cores**
CPU	**HMP Dual Denver 2/2MB L2 + Quad ARM® A57/2MB L2**
Memory	**8 GB 128-Bit LPDDR4 |59.7 GB/s**
Storage	**32 GB eMMC**
Connectivity	**Connects to 801.11ac WLAN and Bluetooth-Enabled Devices**
Networking	**1 Gigabit Ethernet**
Camera	**Up to 6 Cameras (2 Lane) CSI2 D-PHY 1.2 (2.5 Gbps/Lane)**
USB	**USB 3.0 + USB 2.0**
PCIE	**Gen 2	1x4 + 1x1 OR 2x1 + 1x2**
Size	**170mm x 170mm**
Deployment	**Module (Jetson TX2)**

DEVELOPER KIT	US	EUROPE	ASIA, AUS/NZ
PN	**945-82771-0000-000**	**945-82771-0005-000**	**945-82771-0006-000**
UPC	**812674020402**	**812674021041**	**812674021058**
Weight (no Pkg.)	**1.03 lbs.**	**1.03 lbs.**	**1.03 lbs.**
Weight (w/ Pkg.)*	**3.55 lbs.**	**4.2 lbs.**	**3.42 lbs.**
Packed Length	**8.64 inches**	**8.64 inches**	**8.64 inches**
Packed Width	**8.23 inches**	**8.23 inches**	**8.23 inches**
Packed Depth	**5.28 inches**	**5.28 inches**	**5.28 inches**
Case Qty.	**12**	**12**	**12**
Pallet Qty.	**144**	**144**	**144**
Country of Origin	**China**	**China**	**China**

*APAC weight subject to change

Visit **www.nvidia.com/embedded** to learn more.

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