

Main Computer

Jetson TX2

Basic Specs ([Advanced](#))

- **CPU**
 - ARM® Cortex® A57 MPCore (Quad-Core) Processor
 - NVIDIA Denver 2 (Dual-Core) Processor
- **Pascal GPU**
 - 256 NVIDIA® CUDA® cores
- **Memory**
 - 4GB | 128-bit LPDDR4 DRAM
- **Storage**
 - 16GB eMMC 5.1 Flash Storage
- **Networking**
 - 10/100/1000 BASE-T
- **CSI Camera**
 - 12 lanes (3x4 or 5x2)
 - MIPI CSI-2 D-PHY 1.2 (2.5Gb/s per lane, total up to 30Gbps)
- **Display Controller**
 - Two multi-mode eDP 1.4 | DP 1.2a | HDMI 2.0a/b | 1 x2 DSI (1.5Gbps/lane)
 - Maximum Resolution (eDP/DP/HDMI): (up to) 3840x2160 at 60Hz (up to 36 bpp)
- **Multi-Stream HD Video and JPEG**
 - Video Decode 2x 4K60 | Video Encode 1x 4K60
- **Peripheral Interfaces**
 - xHCI host controller with integrated PHY (up to) 1x USB 3.0(Gen1), 3x USB 2.0
 - PCIe 1 x2 + 1 x1 (Gen2), Root Port Only
 - SD/MMC controller (supporting eMMC 5.1, SD 4.0, SDHOST 4.0 and SDIO 3.0)
 - 3x UART
 - 2x SPI
 - 4x I2C
 - 1x CAN
 - 4x I2S
 - GPIOs
 - 1x SD Card/SDIO
- **Mechanical**
 - Module Size: 69.6 mm x 45 mm | 260 pin edge Connector
- **Operating Requirements**
 - Temperature (Tj)*: -25°C ~90°C (typical)

- Supported Power 15W
- Power Input: 5V

Developer Kit

Revision: B02 / B04

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Revision #8

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