xEC2

- XIMEA Enhanced Carrier for multi camera aggregation and embedded solutions
- Combined power of GPU & XIMEA in a compact package
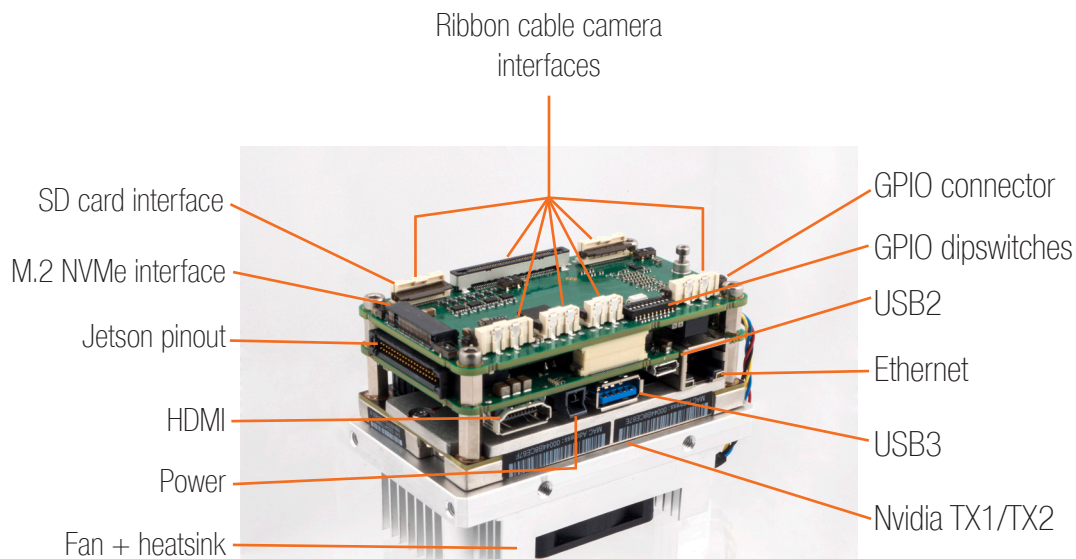- Ready to use kit, carrier board stack with Jetson TX2

xEC is our enhanced carrier for embedded and mobile supercomputing. The power of the Nvidia Jetson combined with our cameras in the palm of your hand. Functions flawlessly with XIMEA's cameras and Nvidia's AI hardware flow to enable the most advanced computing requirements in a small package. Ideal for mobile applications such as drones or embedded applications in manufacturing that need rapid decision making or data acquisition.
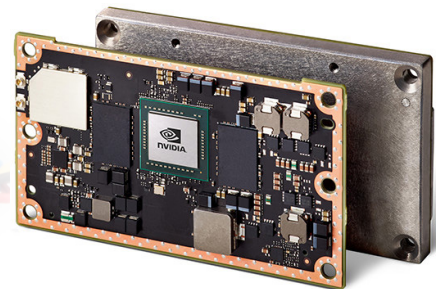

nVIDIA.

xEC2

Feature Packed

Ribbon cable camera interfaces

SD card interface

M.2 NVMe interface

Jetson pinout

HDMI

Power

Fan + heatsink

GPIO connector

GPIO dipswitches

USB2

Ethernet

USB3

Nvidia TX1/TX2

Shown with NVMe SSD mounted

- Camera interfaces*
  - 1 - X4G2 Flex
  - 4 - X2G2 Flex
  - 2 - USB 3.1 Flex
- Peripheral interfaces
- USB2
- USB3
- HDMI
- Power input
- Jetson pinout can be used to power & charge batteries
- Wifi
- GPIO dipswitches for master/slave configurations
- 1 - I²C
- 9 axis IMU

Designed for Jetson TX2

* Bandwidth per camera dependent on number of cameras connected
and presence of SSD or other devices on PCIe bus (4 lanes total)