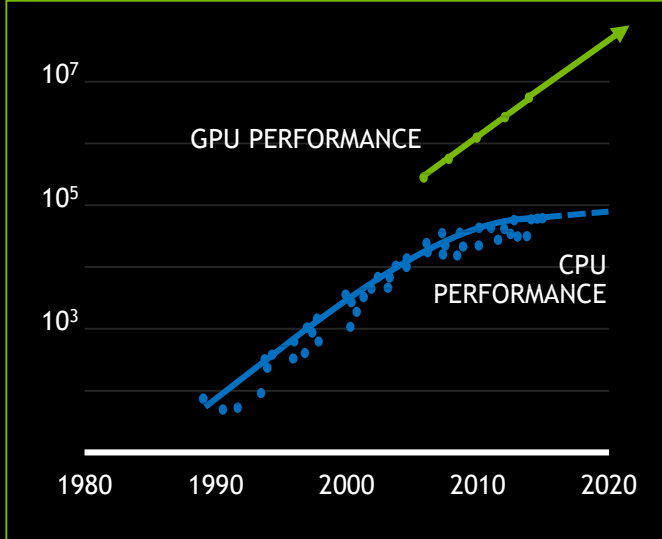


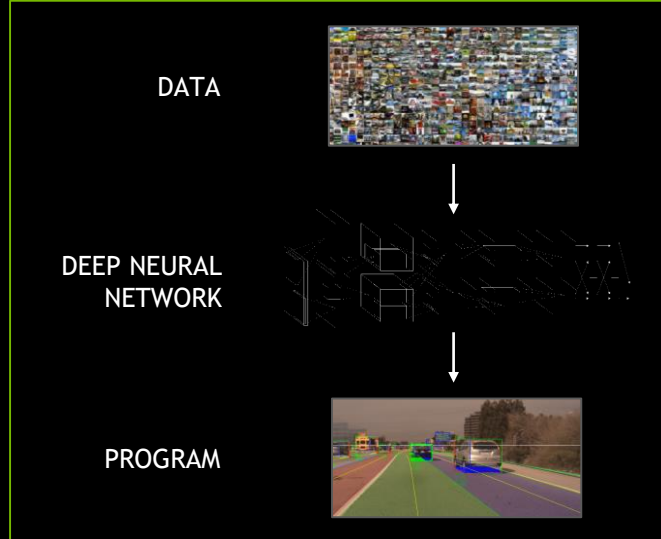


JETSON
AI FOR EVERYONE

FORCES DRIVING EMBEDDED AI



Beyond Moore's Law —
1000x Every 10 Years

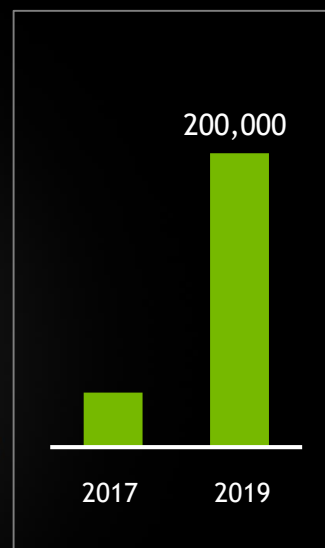
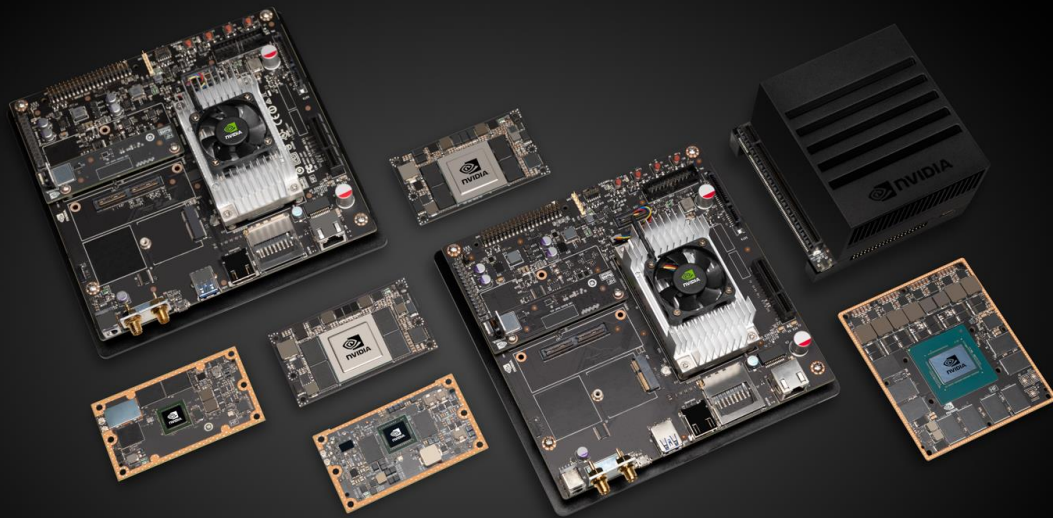


Computers Writing Software

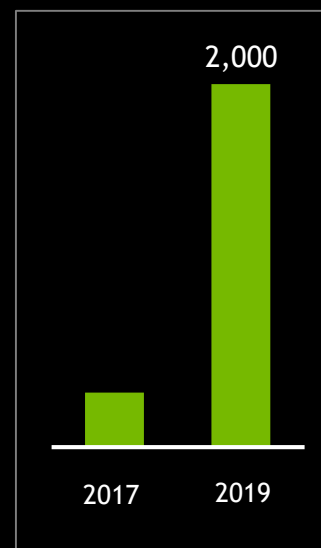


AI-powered Autonomous Machines
and Intelligent Systems are Here

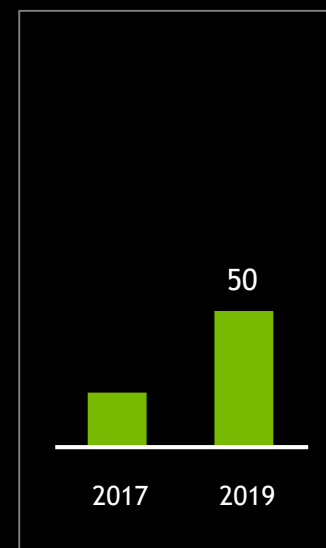
JETSON IS GROWING AT A TREMENDOUS PACE



5x
Jetson Developers



6x
Jetson Customers



2.5x
Ecosystem Partners

JETSON AGX XAVIER MODULE

World's First AI Computer for
Autonomous Machines

AI Server Performance in 30W | 15W | 10W

512 CUDA Tensor Cores | 2x NVDLA

8 core CPU

32 DL TOPS | 690 Gbps SerDes

\$1099

Available now from Arrow Electronics
and other partners worldwide



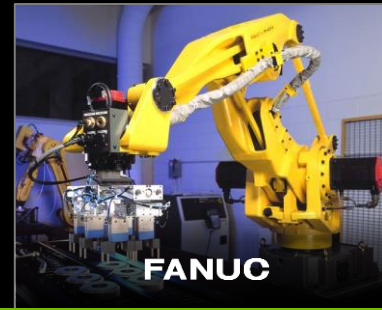
THE WORLD'S LEADING COMPANIES ADOPT JETSON AGX XAVIER



E-commerce

Mobility Machines

Construction



Industrial/Manufacturing

DNA Sequencing

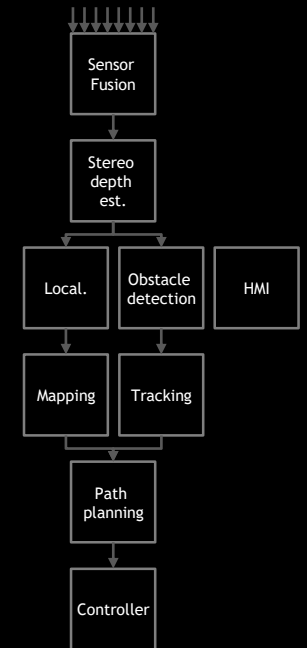
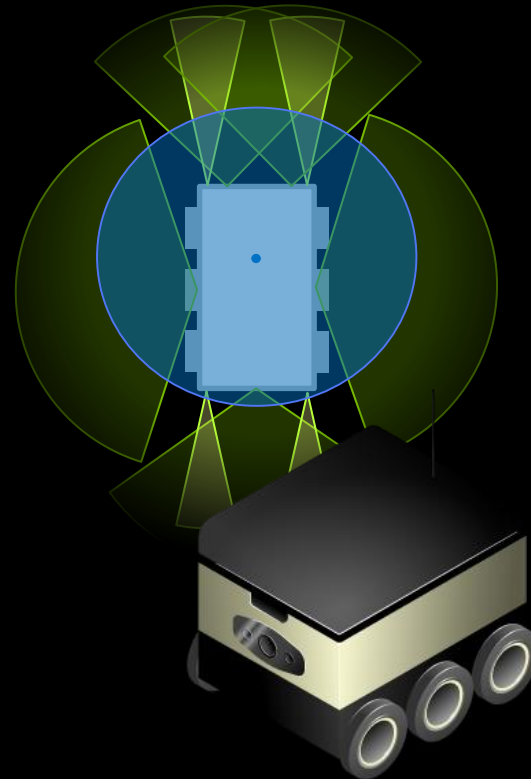
AI SYSTEMS NEED A POWERFUL COMPUTER

1080p+ camera, LIDAR, ultrasonic, audio

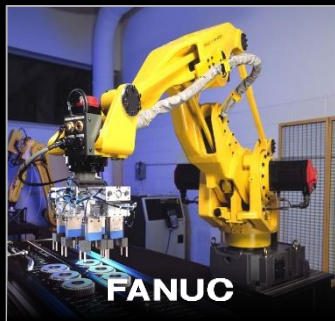
2-10+ sensors per system

Multiple DNNs per sensor

OTA software updates



JETSON POWERS AI ACROSS INDUSTRIES



Industrial



Aerospace/Defense



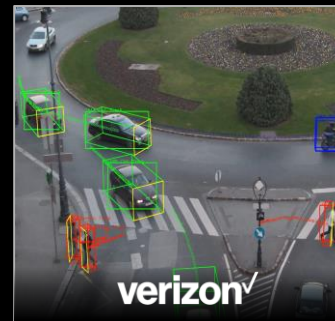
Construction



Agriculture



Healthcare



Smart City



Retail



Logistics



Delivery



Inspection



Service



Collaboration

MASS-MARKET EDGE SYSTEMS NEED AI



NETWORK VIDEO RECORDER
200 million 1080p streams



MACHINE VISION/AOI
1 trillion product units per
year require visual inspection



HOME/SERVICE ROBOTS
175 billion hours per year
on household chores (US)



AIOT
80% of Enterprise IOT
projects will use AI by 2022

ANNOUNCING: JETSON NANO

Small, low-power AI Computer

128 CUDA Cores | 4 Core CPU

4 GB Memory

472 GFLOPs

70x45mm

5W | 10W

\$129

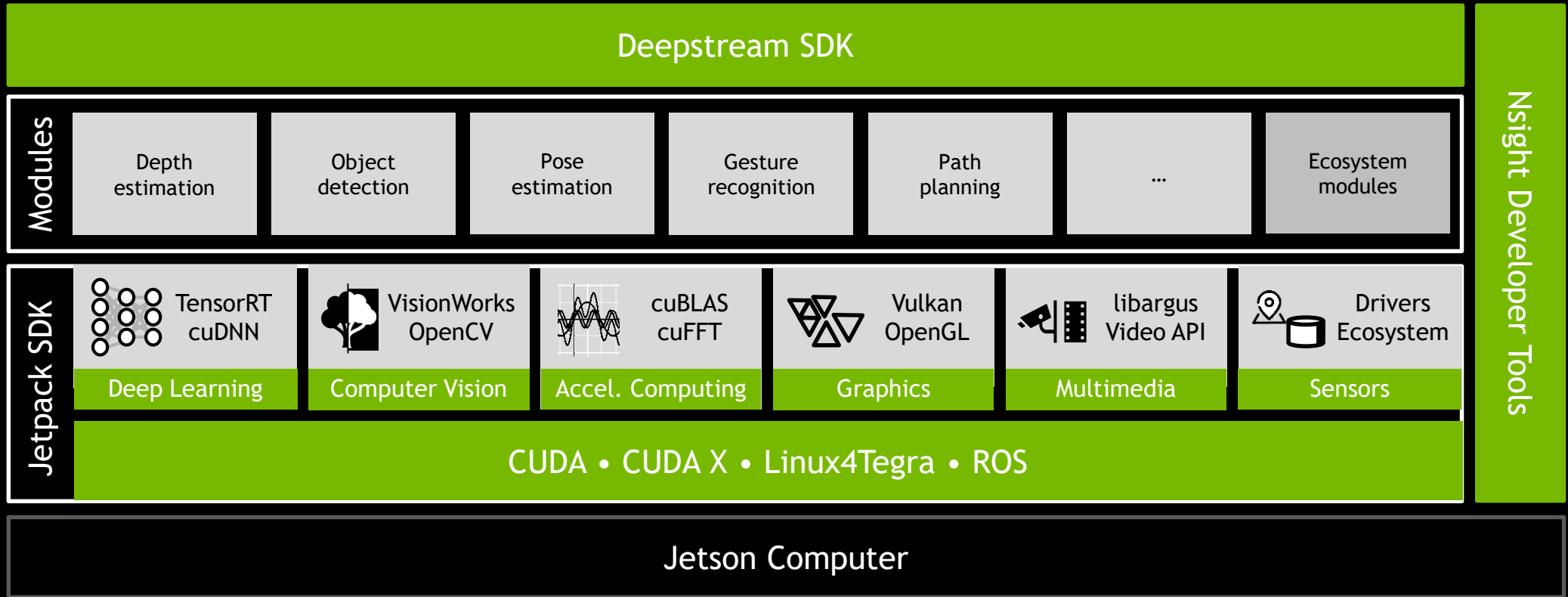


JETSON NANO SPECIFICATIONS

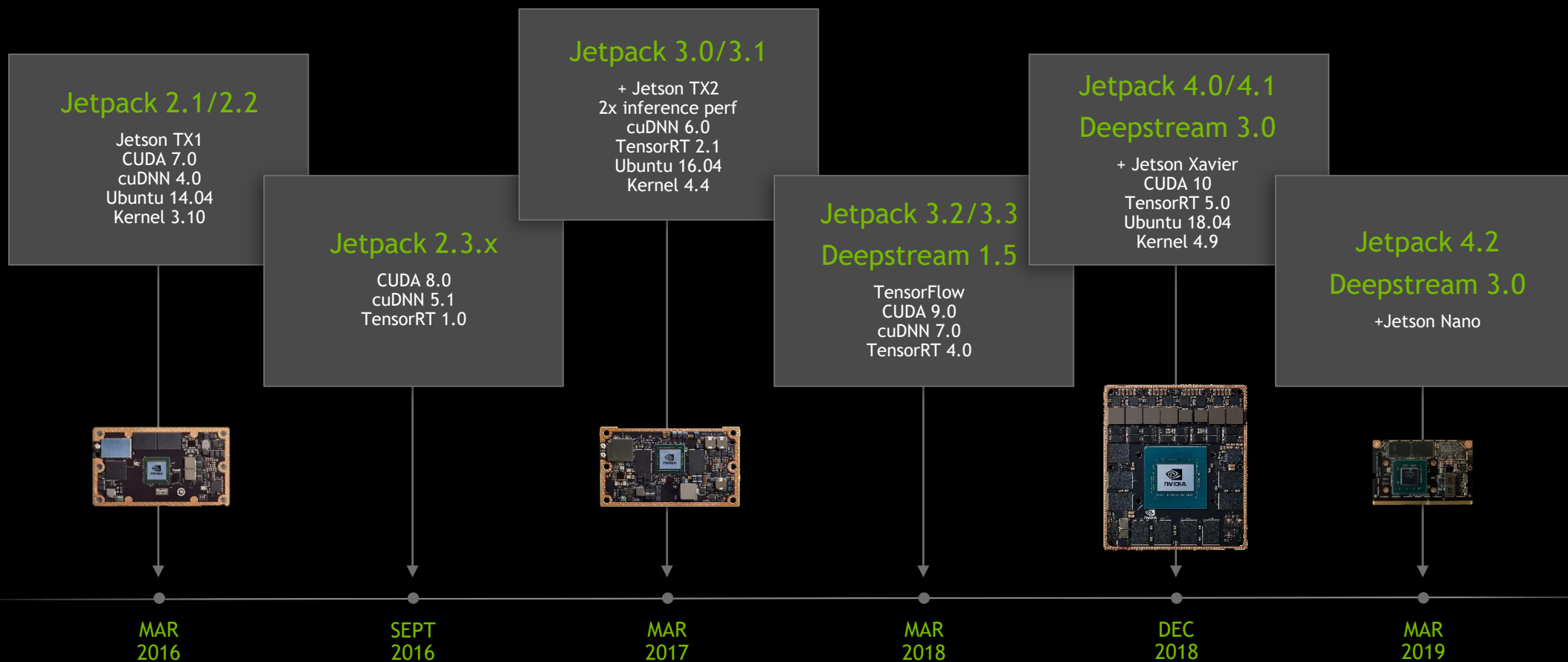
GPU	128 Core Maxwell 472 GFLOPs (FP16)
CPU	4 core ARM A57 @ 1.43 GHz
Memory	4 GB 64 bit LPDDR4 25.6 GB/s
Storage	16 GB eMMC
Video Encode	4K @ 30 4x 1080p @ 30 8x 720p @ 30 (H.264/H.265)
Video Decode	4K @ 60 2x 4K @ 30 8x 1080p @ 30 16x 720p @ 30 (H.264/H.265)
Camera	12 (3x4 or 4x2) MIPI CSI-2 DPHY 1.1 lanes (1.5 Gbps)
Display	HDMI 2.0 or DP1.2 eDP 1.4 DSI (1 x2) 2 simultaneous
UPHY	1 x1/2/4 PCIE 1 USB 3.0
Other I/O	1xSDIO / 2xSPI / 3xI2C / UART / I2S / GPIOs



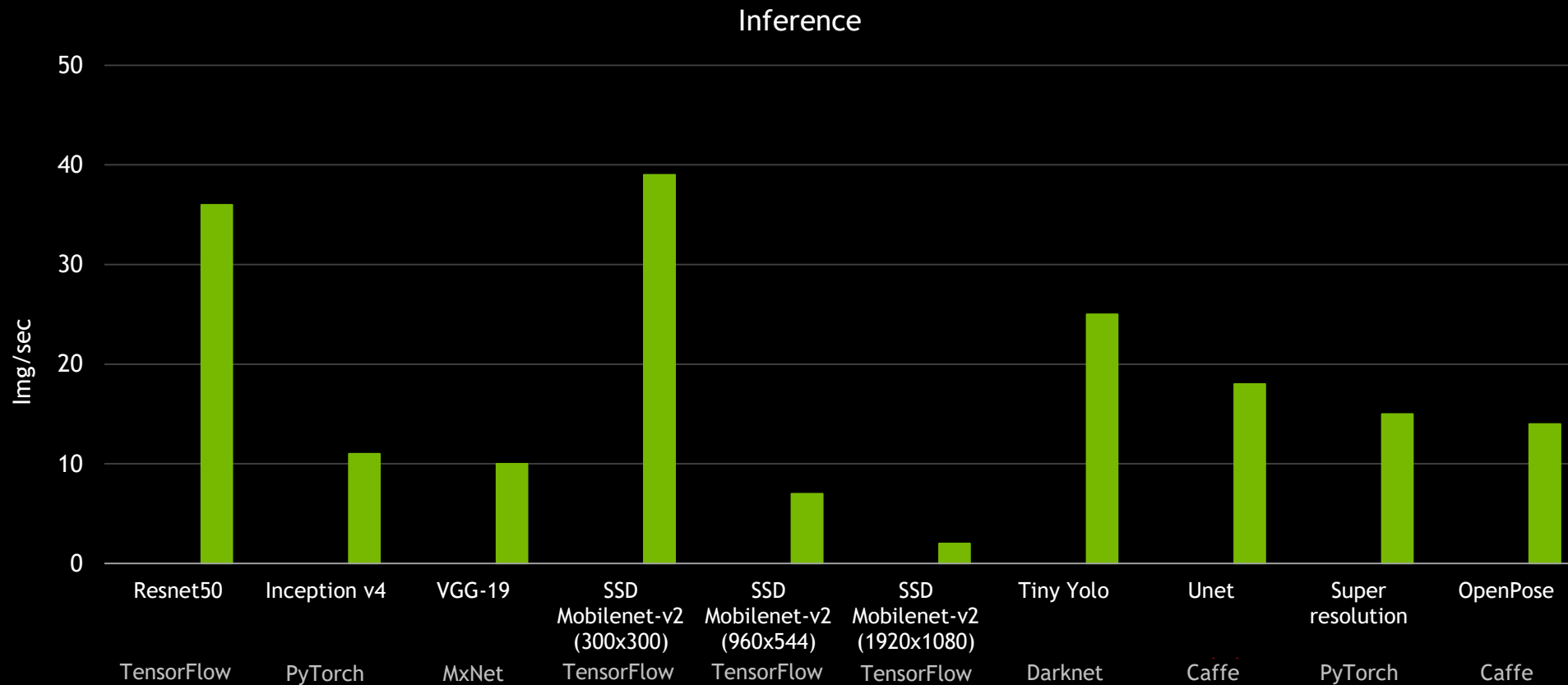
JETSON NANO SOFTWARE



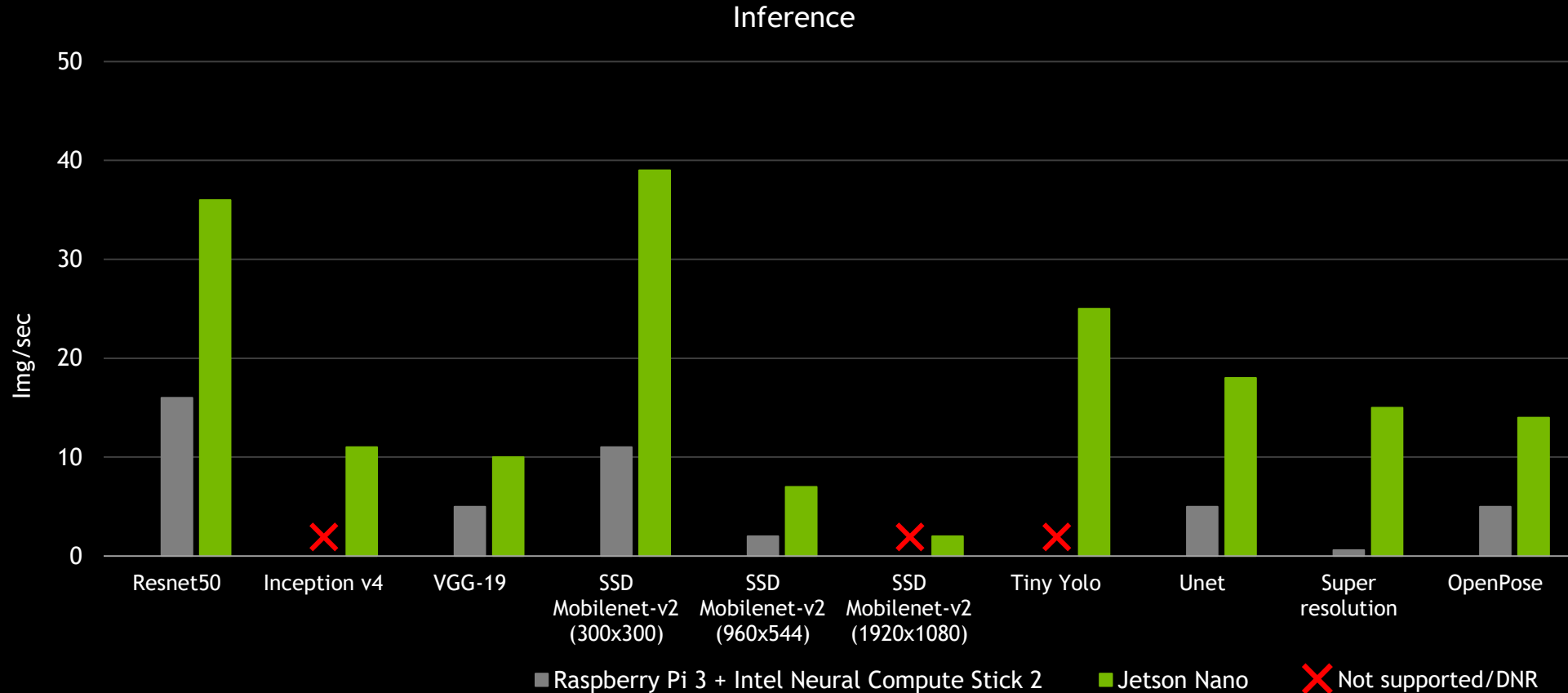
CONTINUOUS SOFTWARE INVESTMENT



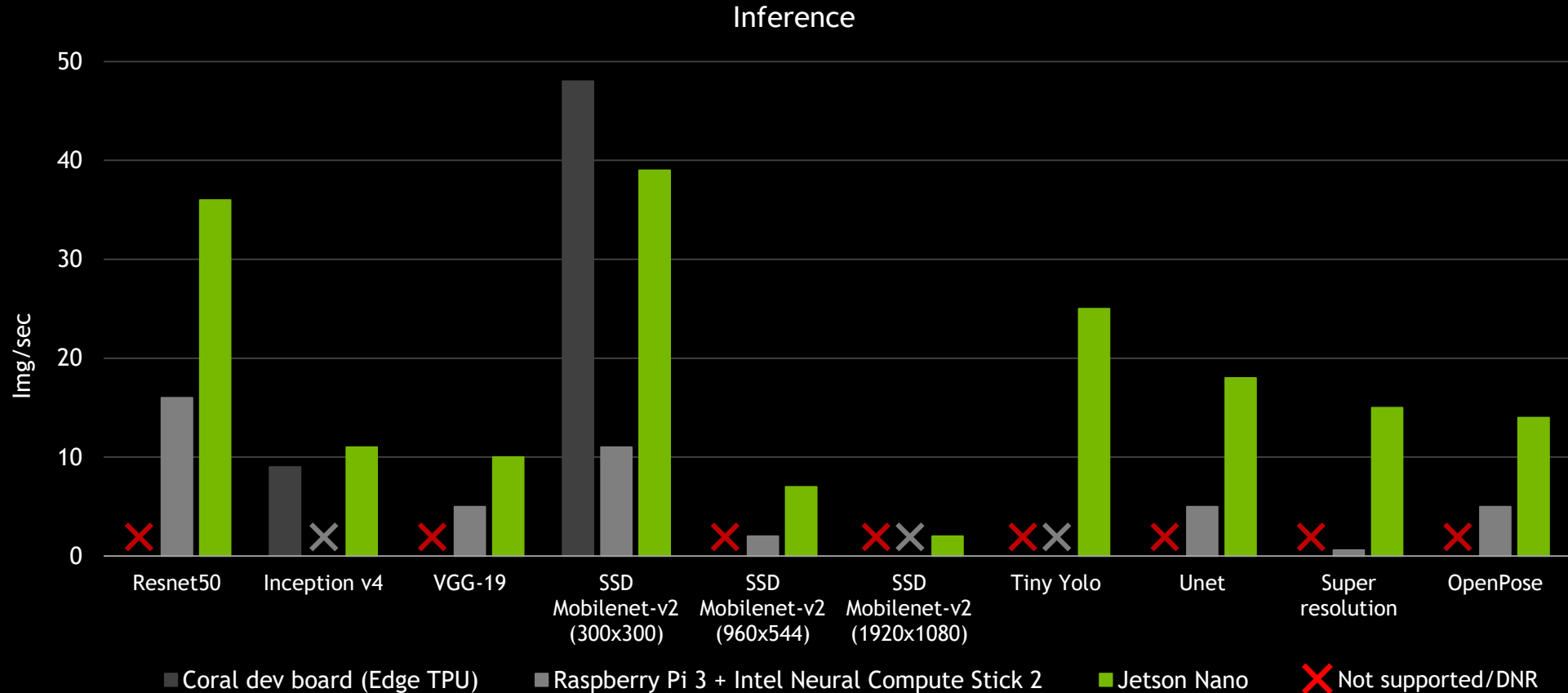
JETSON NANO RUNS MODERN AI



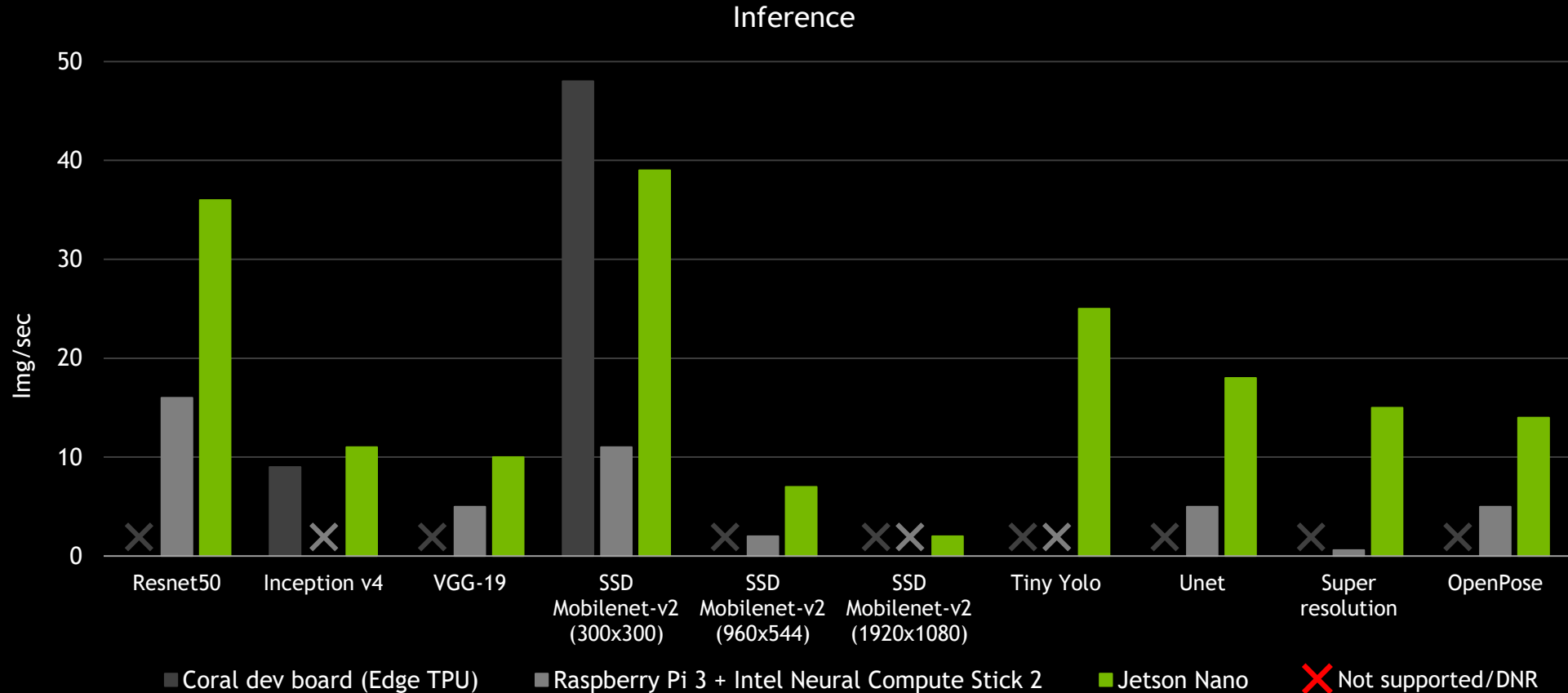
JETSON NANO RUNS MODERN AI



JETSON NANO RUNS MODERN AI



JETSON NANO RUNS MODERN AI



MAKERS AND AI



Makers change the world



30 million makers, developers
inventors, students WW



Thousands of maker projects
stand to benefit from AI

ANNOUNCING: JETSON NANO DEVELOPER KIT

\$99 AI Computer

128 CUDA Cores | 4 Core CPU

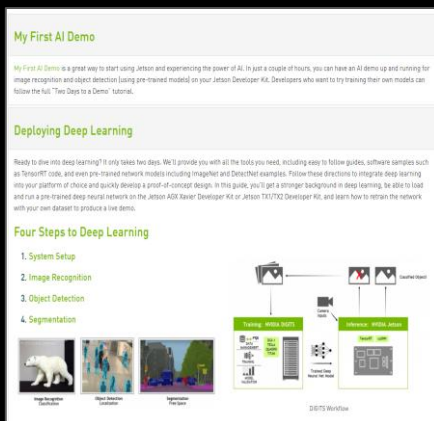
472 GFLOPs

5W | 10W

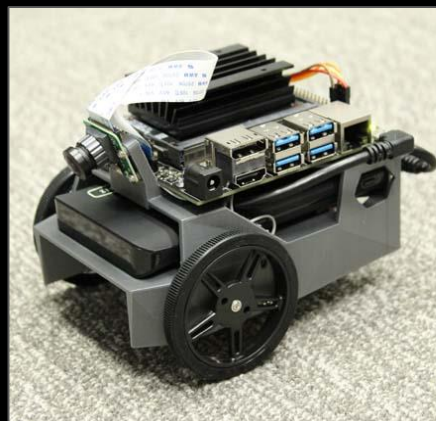
Accessible and easy to use



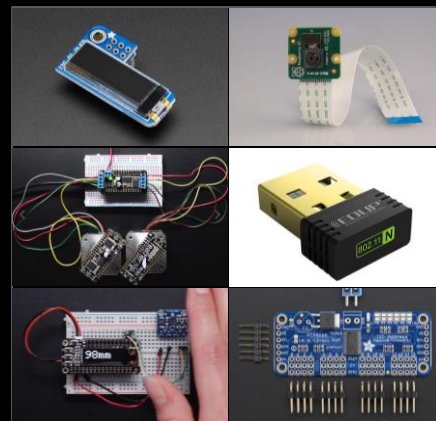
JETSON NANO RESOURCES



Tutorials and Dev Forum
Create your first demo
today
[developer.nvidia.com/
embedded/twodaystoademo](https://developer.nvidia.com/embedded/twodaystoademo)



Projects
Detailed instructions and
source code



Accessories
Blinka library
OOB peripheral support



Deep Learning Institute
Training • Labs
Nanodegrees
nvidia.com/DLI

JETSON MEETUP GOES GLOBAL

13

COUNTRIES

35

EVENTS

4000+

ATTENDEES

JETSON ECOSYSTEM

DISTRIBUTION



SOFTWARE

ISV



TOOLS/SYSTEMS SW



CSP-IOT



SOFTWARE SERVICES



CAMERA AND SENSORS



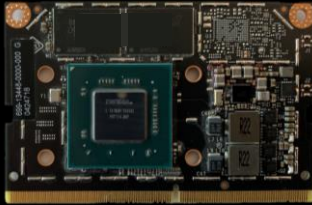
HW AND SENSORS

HARDWARE AND DESIGN SERVICES

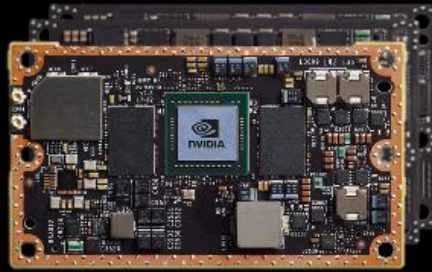


THE JETSON FAMILY

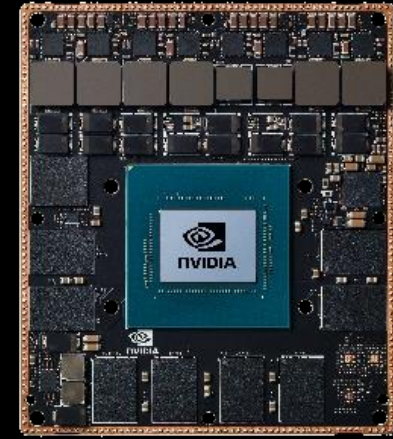
From AI at the Edge to Autonomous Machines



JETSON NANO
5 - 10W
0.5 TFLOPS (FP16)
45mm x 70mm
\$129 AVAILABLE IN Q2



JETSON TX2
7 - 15W
1.3 TFLOPS (FP16)
50mm x 87mm
\$299 - \$749



JETSON AGX XAVIER
10 - 30W
10 TFLOPS (FP16) | 32 TOPS (INT8)
100mm x 87mm
\$1099

AI at the edge

Fully autonomous machines

Multiple devices - Same software

ANNOUNCING: JETSON NANO DEVELOPER KIT

\$99 AI Computer

128 CUDA Cores | 4 Core CPU

472 GFLOPs

5W | 10W

Available now at GTC

nvidia.com and distributors worldwide

Also: Jetson AGX Xavier \$899 Jetson TX2 \$299

