

# *HERMES*

DNN INFERENCE PROPAGATION UNDER  
THERMAL CONSTRAINTS VIOLATION



# *EDGE*



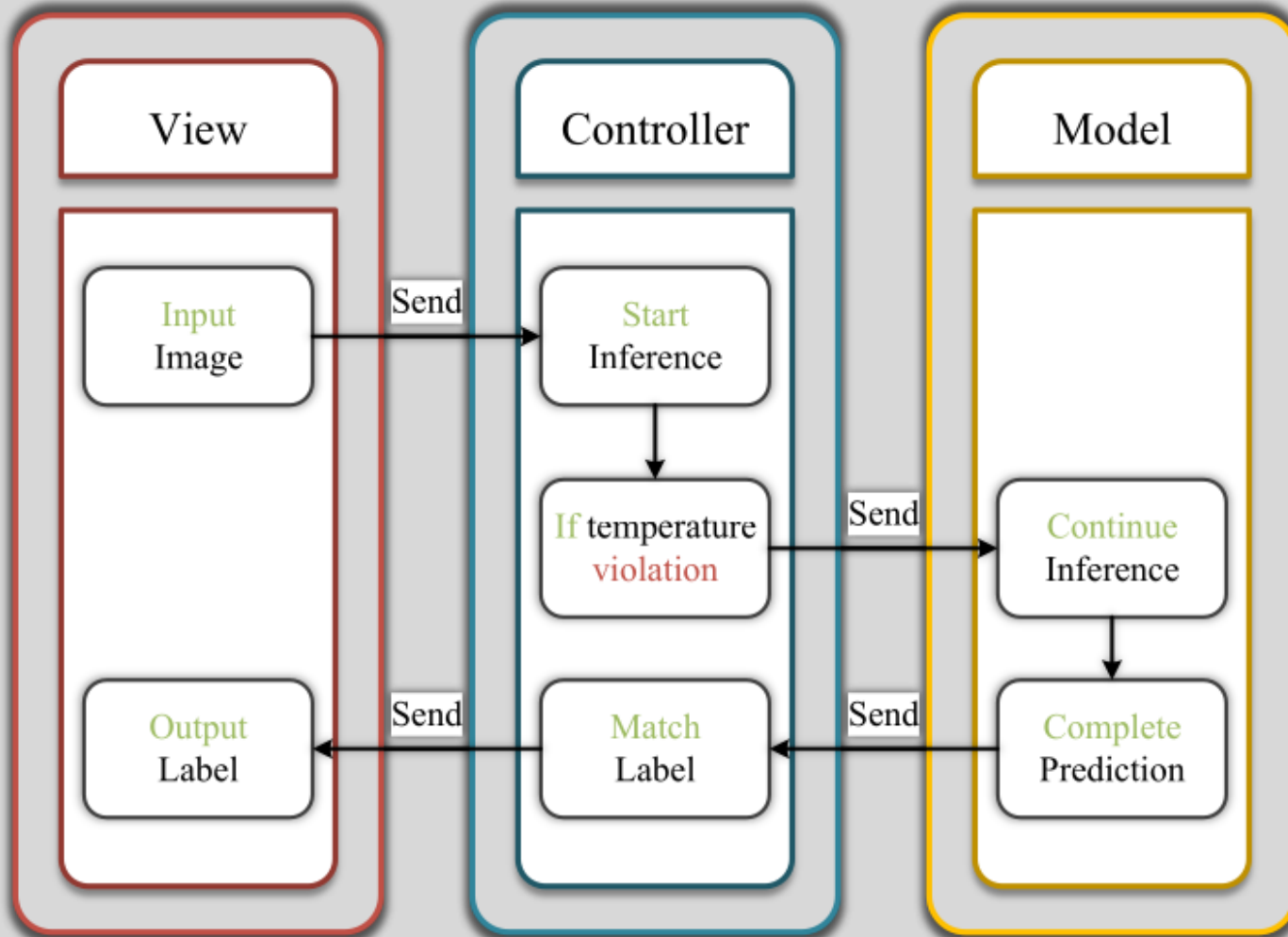
- Jetson AGX Xavier
  - CPU: 8-core NVIDIA Carmel Armv8.2 64-bit
    - 8MB L2
    - 4MB L3
  - GPU: NVIDIA Volta™ architecture
    - 512 NVIDIA CUDA® cores
    - 64 Tensor cores
    - 22 TOPS (INT8)
  - Deep Learning Accelerators: 2x NVDLA
    - 10 TOPS (INT8)
  - RAM: 64 GB 256-bit LPDDR4x

# *CLOUD*

- Alienware Aurora R9, a high-end gaming desktop computer
  - CPU: Intel® Core™ i7-9700 Processor:
    - 8 cores @ 4.70 GHz
  - GPU: x2 NVIDIA GeForce RTX 2070 SUPER
    - 2560 NVIDIA CUDA® Cores
    - Boost Clock @ 1.77 GHz
    - 8 GB GDDR6 Memory
  - RAM: 64 GB DDR4



## Hermes: Sequence Diagram



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