

Centralized Critic (Training Phase)

Global value: $V(\text{all observations, all messages}) - \text{CTDE}$



Multi-Head Attention



Edge Server Layer

Orchestration Agent 1

Offload | Resource | BW

Orchestration Agent 2

Offload | Resource | BW

Orchestration Agent 3

Offload | Resource | BW



IoT Device Layer

Perception 1

Model | FPS

Perception 2

Model | FPS

Perception 3

Model | FPS

Perception 4

Model | FPS

Perception 5

Model | FPS

Perception 6

Model | FPS

obs/
rew

IoT Edge Environment (Tasks, Network, Resources, Rewards)