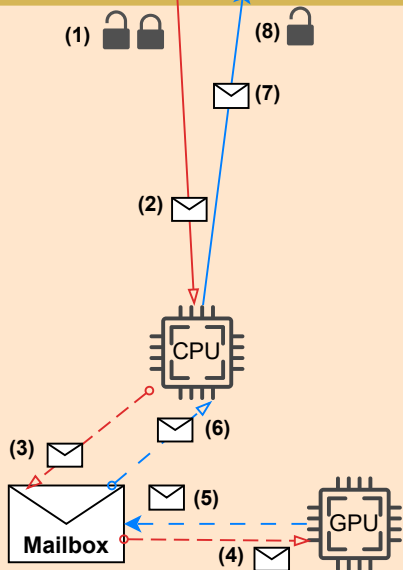
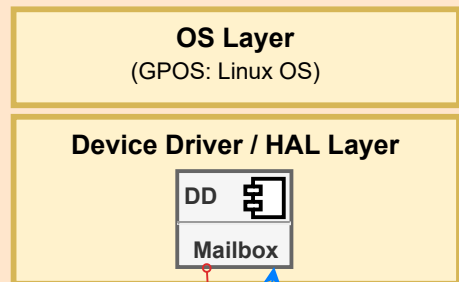
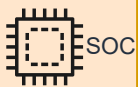


UAV Integrated Controller:
(Raspberry Pi 3/4)



Conventional Mailbox access

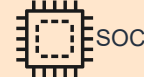
Events (as seen by the mailbox driver)

Async outgoing Sync outgoing
Async incoming Sync incoming

Mailbox Transactions



UAV Integrated Controller: 192.168.1.55
(Raspberry Pi 3/4)



FMU VM

Core 0

PX4

OS Layer

(GPOS: Linux OS)

Device Driver / HAL Layer



Companion VM

Cores 1:N-1

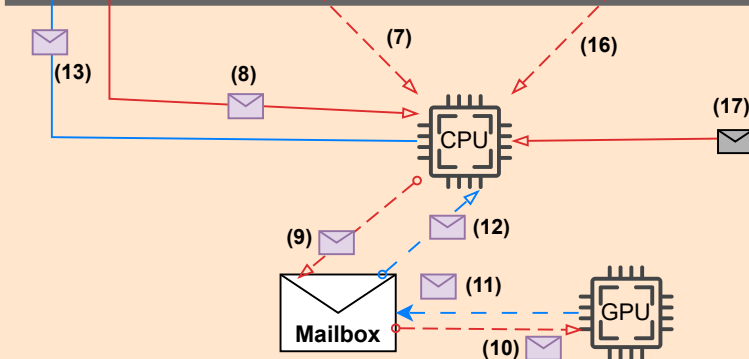
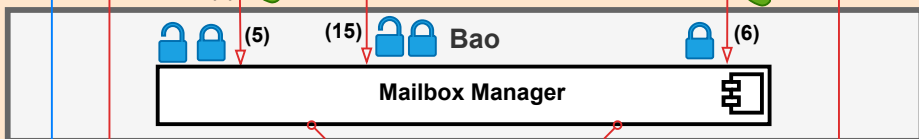
Video Surveillance

Video Pipeline Sender

OS Layer

(GPOS: Linux OS)

Device Driver / HAL Layer



Supervised Mailbox access