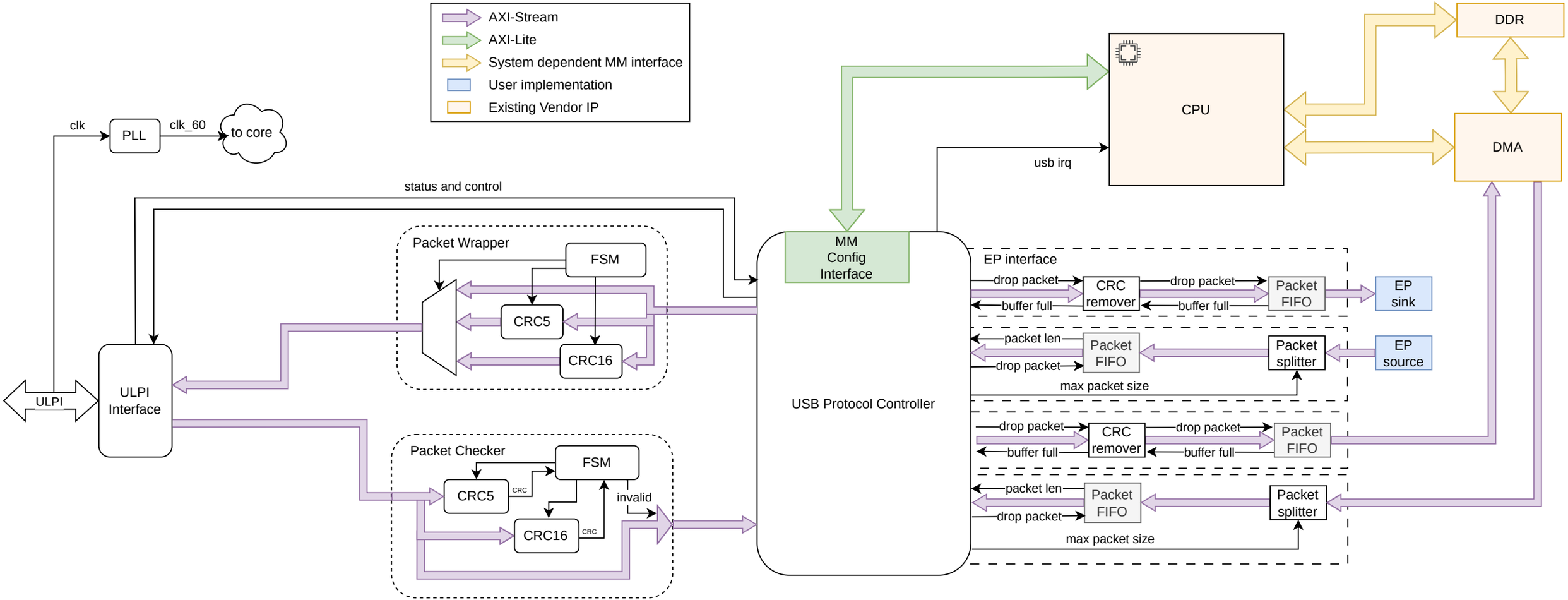
AXI-Stream
AXI-Lite
System dependent MM interface
User implementation
Existing Vendor IP
clk
PLL
clk_60
to core
status and control
ULPI
ULPI Interface
Packet Wrapper
FSM
CRC5
CRC16
Packet Checker
FSM
CRC5
CRC
CRC16
CRC
invalid
MM Config Interface
USB Protocol Controller
usb irq
CPU
DDR
DMA
EP interface
drop packet
buffer full
CRC remover
Packet FIFO
EP sink
packet len
drop packet
Packet FIFO
Packet splitter
EP source
max packet size
drop packet
buffer full
CRC remover
Packet FIFO
packet len
drop packet
Packet FIFO
Packet splitter
max packet size