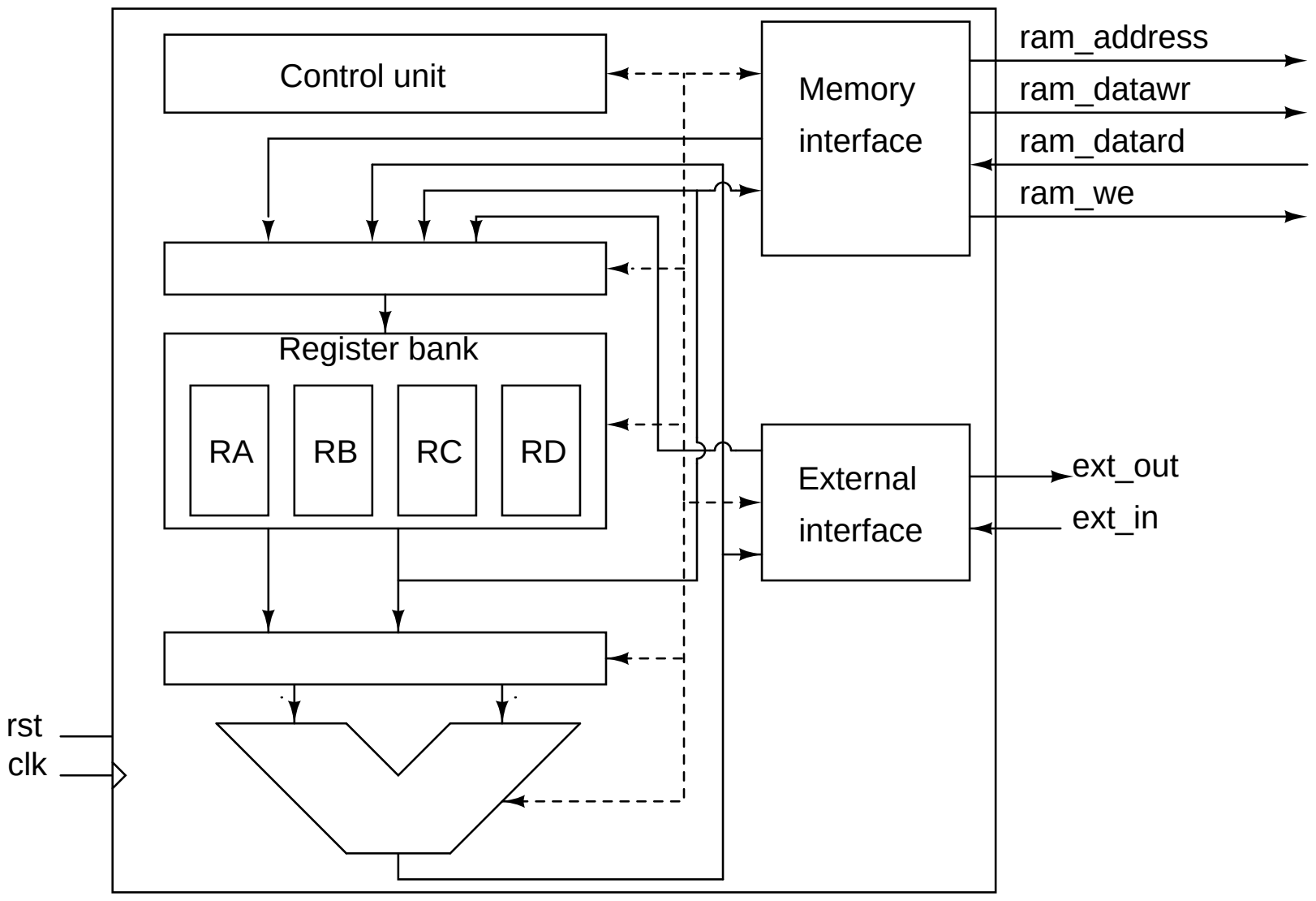
Control unit
Memory interface
ram_address
ram_datawr
ram_datard
ram_we
Register bank
RA
RB
RC
RD
External interface
ext_out
ext_in
rst
clk