

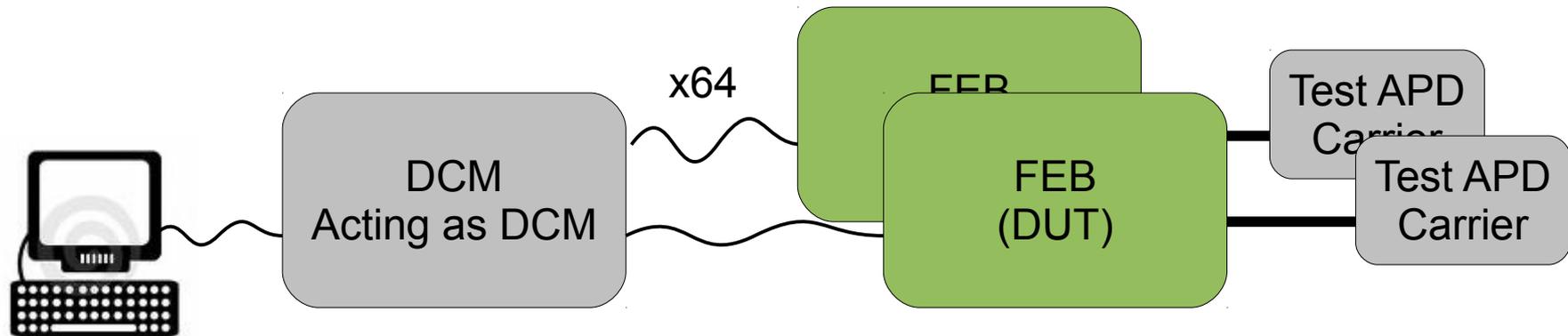
Front End Board
Test Stand Hardware Proposal
IPND/Production

IPND FEB Test Stand



- FEB is reprogrammed with DCM/FEB communication functionality
 - Send commands / receive data packets
 - Configure FEB firmware
- DAQ test computer uses existing Spy board and USB protocol
- Test pulse injection can be done using circuit internal to FNAL ASIC.
- Test APD carrier only needs to add capacitance for noise test

Production FEB Test Stand



- DCM is used as main test stand component
- Requires DAQ test stand software programming and maybe DCM firmware modifications.