

# TECH SPECS:

Program uses:

1. Main class
2. External libs: ( <stdio.h> ,<stdlib.h> , <fcntl.h> , <time.h> , <stdio.h> , <stdlib.h> , <unistd.h> , <errno.h> , <string.h> , <netdb.h> , <sys/mman.h> , <sys/types.h> , <netinet/in.h> , <sys/socket.h> , <arpa/inet.h> )
3. External headers with constatnts: "chmod\_lcd.h" , "kbd\_hw.h"
4. Socket communication with side program used as a server through network

Main algorithm:

1. Go through "/proc/bus/pci/devices" and find Quartus PCI Board
2. Map everything
3. Turn board on and init everything
4. Start scan keyboard
5. Response to key-press
6. Init socket and start network communication
7. Check if user ID/password/Gate ID are OK
8. Deny or grand access
9. Start over