

In the present work we study current status of drivers for external devices in clean room in Institute of Particle and Nuclear Physics. In this work we analyse existing software and create a new driver for communication through RS232 port. Work studies various possibilities of serial communication in Windows and Linux and creates possible design for driver, which is based on creating universal layer for supplying communication between user programs and external devices. Work describes important steps of implementation in both operating systems. Next part consists of user documentation for created software. This documentation focuses on differences of usage in Windows and Linux. At the end work shows report from testing software with real devices and gives advices, which should programmer follows when creating similar software solution.