

Touch Driver

Development of a **touchscreen driver** under Linux

Customer requirements

For this project a touch driver was to be developed for the cash register and cashier systems of the customer that are based on various Linux derivatives (CentOS or SLES). Touch controllers produced by a variety of manufacturers and having different configurations with different resolutions were to be supported. In addition, a uniform calibration and configuration interface was to be implemented.



comlet solution

comlet developed a uniform driver for the different systems and configurations. Through the implementation of an abstraction layer a uniform interface for the higher software levels was created. These can abstract hardware-specific details. Touch modes were implemented that can support a variety of usage possibilities. In order to design the driver in a more robust manner and make operation more efficient, comlet implemented a number of strategies and optimization processes.

To support the rollout, the touch driver was packaged for the individual derivatives.

Technology used

CentOS, X-Server, Xinerama, Qt

