



„Best possible legibility, in- and outdoor – we needed a high-end display for our credit card terminal. That’s when I called Elektrosil.“

Brightness-sensitive displays improve the mobile usability of credit card readers at the point of sales: Elektrosil developed an innovative display solution with a customised cable connection.

THE CHALLENGE

A market leader for cash terminals needed a high-quality touch display with specified brightness, size, and resolution for its payment terminal with NFC reading technology. Further specifications included a cable with customised PIN assignment to connect the existing hardware platform to the display.

THE SOLUTION

Elektrosil supplied an industrial touch display with a wide viewing angle and modified backlight. High-quality LEDs with a service life of more than 50,000 hours ensure excellent readability, even outdoors. The display solution was completed by an ambient light sensor system, which enables situational brightness adjustment and therefore also a longer service life of the LEDs.

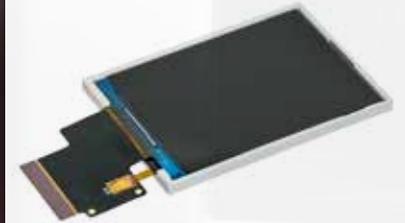
The next step was to connect the display to the hardware board according to customer-specific specifications: The engineering team assembled a cable and precisely implemented the individual PIN assignment. The customer undertook the design of the housing to

suit the display and connection technology concept. Finally, the developers constructed a plastic holder for the display and cable on the circuit board. In combination with a rubber seal, the result was a hardware display unit which accurately fitted the housing.

OUR STRENGTHS

- Development expertise for demanding display cable solutions
- Great expertise in visualisation technologies ensured optimal consulting quality & fast realisation
- One-stop shop: From consulting to development and simulation to production and delivery

Are you also looking for a custom-fit solution for your system and a competent partner? Then give us a call: +49 40 840001-0.



Project information

- Client: A market leader in the field of electronic payments.
- Project size: > 10,000 units per year, duration > 5 years
- Sector: POI/POS
- Product areas: Connection Technology, Displays & Touch
- Services: Cable assembly, display modification, development of sensor technology, optimised carrier for the printed circuit board, component production

Elektrosil's services

- Application consultation, development assistance, design-in support
- Quality assurance
- Engineering and production
- Completely customised applications