

Leading outdoor payment terminal manufacturer for fuel dispenser–Europe

Project:

The project scope was to design and develop secure Outdoor Payment Terminal (OPT) that meets Payment card acceptance security and compliance requirement as per appropriate regulatory certification entities. The device should support Contact and Contactless chip cards, Magstripe and PIN Entry

Background/Challenges

- ✔ Lack of Payment Domain knowledge, compliance and mandatory certification needs
- ✔ Device compliance requirement as per payment mandatory certifications like EMV L1, EMV L2, PCI PTS
- ✔ Payment domain certification understanding, procedures

Nature of Work

- ✔ Consultant on Payment compliance requirement to design Payment device
- ✔ EMV Level 2 Kernel software development, deployment and certification
- ✔ Coordinating with Certification laboratory

Approach/Solution

- ✔ Conducted several workshop explaining the security requirements as per PCI PTS guidelines
- ✔ Design and Consultancy for Secure Payment card acceptance device as a co-participant in architecture design of Main board and give consultancy for product engineering :
 - Main Board Architecture
 - Card reader interfaces
 - PCI PTS 4.x Regulatory compliance security requirements
- ✔ EMV Level 2 Contact and Contactless (MasterCard, and VISA) Kernel
- ✔ Software and Firmware application development

Outcome & Benefits

- ✔ Consultant payment domain Cost Advantages
- ✔ Single source to PCI PTS consultancy and EMV L2 Contact and Contactless Kernel