

Windows 8/10 Device Driver Certification Solution



THE CLIENT

This customer is a manufacturer of thermal bar code label and receipt printers, RFID smart label printer/encoders, card and kiosk printers.



BUSINESS NEED

The customer wanted ALTEN Calsoft Labs to combine NFV,SDN, and the elasticity of commodity clouds to bring data center economics and cloud agility to the Telco Central Office. The card printers' details such as firmware details, network configuration details, and available printer features such as mag encoding, smart card, laminator, etc, sensor and media details should be easily visible to both the client and the card printer customers.

There should be easy way to configure the various printer operations like:

- Setting printer language
- Printer display contrast
- Print performance
- Printer configuration
- Print settings
- Encoding settings
- Printer calibration options
- Optimization options
- Power adjustments
- Mechanical adjustments
- Laminator adjustments
- Printer security
- Print test cards and PRN files
- Clean printer
- Clean laminator
- Diagnose printer



TECHNOLOGY USED

- **Development Tools:** Microsoft Visual Studio 2013 IDE, C#, WPF
- **Framework:** Microsoft Dot Net Framework 4.5
- **Platform:** MS Windows



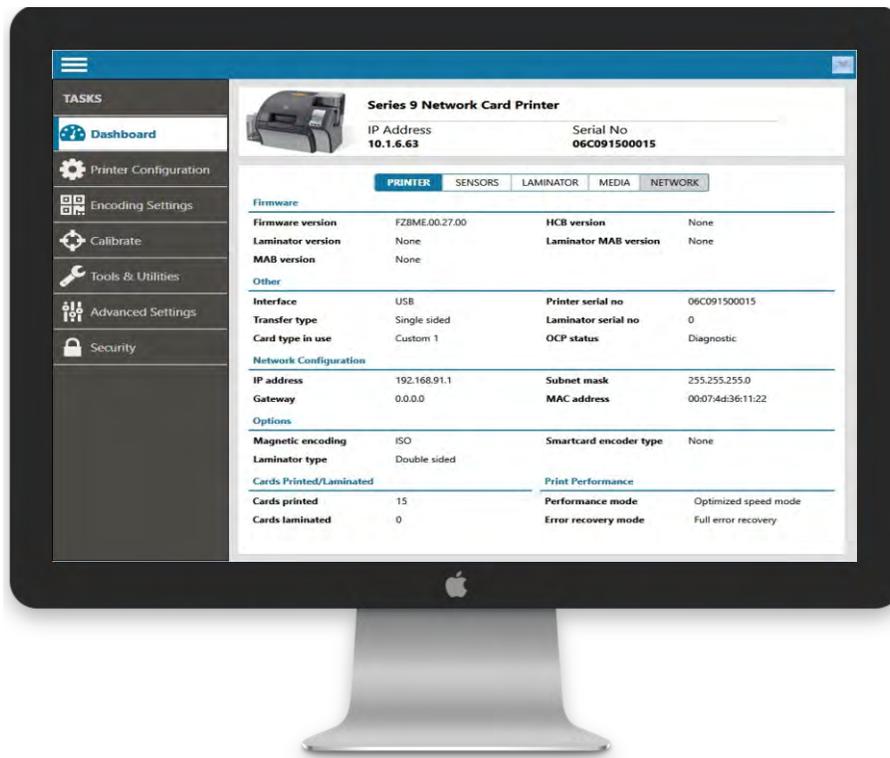
SOLUTION DELIVERED

The Toolbox application that we developed, allows user to select any of the available printer and connect to the selected card printer through either USB or Ethernet printer driver depends on the printer communication type. The Toolbox application also allows user to monitor various details such as firmware details, network configuration details, and available printer features such as mag encoding, smart card, laminator etc, sensor and media details. With the help of the Toolbox application both the client and their customers shall easily monitor and configure the various printer status and settings, print test cards, PRN files, mag encode, clean printer and laminator, and diagnose the printer.



BUSINESS BENEFITS

- ⦿ Allow customers to easily monitor and configure the various printer status and settings
- ⦿ Troubleshooting and fixing any issues in the printer
- ⦿ Quick turnaround time
- ⦿ Lower cost of development
- ⦿ Guaranteed support



ABOUT ALTEN CALSOFT LABS

ALTEN Calsoft Labs is a next gen digital transformation, enterprise IT and product engineering services provider. The company enables clients innovate, integrate, and transform their business by leveraging disruptive technologies like mobility, big data, analytics, cloud, IoT and software-defined networking (SDN/NFV). ALTEN Calsoft Labs provides concept to market offerings for industry verticals like education, healthcare, networking & telecom, hi- tech, ISV and retail. Headquartered in Bangalore, India, the company has offices in US, Europe and Singapore. ALTEN Calsoft Labs is a part of ALTEN group, a leader in technology consulting and engineering services.

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