

# Smart Panels



## Smart Panels for Printer OEMs

Printer front panels have evolved from traditional fixed ones with limited features to larger, color, touch-screen capable panels that include Web services/Java-based applications. However, most of these features are confined only to high-end multi-functional printers (MFPs), and Printer OEMs have had limited success in attracting software developers to port applications on their proprietary front panels due to the significant efforts involved.

Thinxtream's Smart Front Panel is a feature-rich, low-cost front panel software that can be integrated with any Printer OEM's MFPs. It is designed to harness the existing rich smartphone/tablet application ecosystem, offering additional features over the default MFP feature-set, leveraging cloud services to increase functionality and enhancing mobility by transporting the front panel functionality from the MFP to a smartphone/tablet. It can be deployed as a virtual smart panel or a dedicated smart panel and also be customized to address industry-specific application requirements. The Smart Front Panel and implementation and support services are offered in flexible licensing and partnership models.

### Standard Functionality

- Offers MFP interface – scan, fax, copy, print, configuration and settings
- Base feature set customizable with Printer OEM's look and feel
- Ability to present different capabilities of configuration parameters, based on user privileges

### Rich Application Ecosystem

- Access to applications already developed for mobile operating systems
- Applications resident on the front panel or hosted on a remote cloud
- Exposes print, scan and fax capabilities as SDK extensions for application development

### Dynamic Capability Transformation

- Dynamic transformation of feature set to address unique requirements

- Feature set can be modified even after shipment
- Facilitates remote provisioning, installation and de-installation of application set

### Integrated Cloud Framework

- Ability to enable enhanced features and functionality in conjunction with cloud services
- Ability to offer consumables fulfillment, remote device management, service support and intelligent job management

### Operational Mobility

- Ability to extend front panel functionality resident on the printer /MFP to smartphones/tablets
- Accessibility of nearby printer/MFP directly from smartphone /tablet

### Hardware Independence

- Design can be independent of MFP hardware/models
- Ability to provide consistent user interface across MFPs
- Functionality can be installed as an application on smartphones /tablets

### Compatibility & Customization

- Requires customization and integration with Printer OEM's MFPs
- Support for PCL/PS and proprietary PDLs
- Facilitates addressing specific needs of consumer, specialty, SMB, enterprise markets
- Facilitates customization based on geography, industry, user/role
- Application ecosystem enables customization of feature set

### Comprehensive OEM Support

- Software updates for bug fixes and feature enhancements
- Technical support for platform issues
- Professional services for customization, integration and maintenance

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