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Bsquare MobileV™ UX

# Bsquare MobileV™ UX

Extending Windows 8 technology and functionality to mobile small screen devices

## Introduction

As enterprises increasingly adopt mobility solutions, they are discovering a need for new and differentiated device form factors to deliver new applications. To serve this growing need, OEMs are looking for a combined hardware and software solution with which to create a portfolio of devices that share common applications, user experiences, device management and security.

Bsquare MobileV UX is software that extends the MobileV hardware reference design to deliver the functionality of Windows 8 to mobile durable devices with screens as small as 5". MobileV UX allows OEMs and enterprises who are delivering specialized vertical mobile devices to deliver consistent user experiences across a variety of device types.

## MobileV UX Components

Bsquare MobileV UX extends the MobileV hardware reference design with an application layer that solves the dilemma of legacy app migration to new platforms and smaller mobile form factors.

## Windows Embedded 8.1 Industry for Tablets

Windows Embedded 8.1 Industry for Tablets extends the power, familiarity and reliability of the Windows 8.1 OS with flexibility for advanced industry devices and solutions they create. Windows Embedded 8.1 Industry for Tablets is customizable, offering rich user experiences, more security and utilization of enterprise grade features.

## Bsquare MobileV UX Software

The Bsquare MobileV software offers an application layer which extends functionality to small screen enabled devices. MobileV software enables screen resolutions compatible with displays sized from 5" and up, enhanced UI and functionality including support for legacy and modern applications, launch screen branding, user-based profiles, and internationalization.

## HIGHLIGHTS

MobileV UX software from Bsquare is an application layer which extends Windows Embedded 8.1 technology and functionality to mobile small screen devices.

- Screen resolutions compatible with displays from 5" and up
- Support for legacy and modern apps
- User Profiles
- Custom branding and localization

## BENEFITS

- Increases OEM platform flexibility and functionality on small screen form factors
- Preserve application investments with support for Win32 legacy apps and Modern apps
- Increase OEM feature capabilities by using Windows Embedded 8.1 operating system resources
- Increase OEM platform flexibility with multiple display size/resolution,
- Branding, user profiles, localization

## Extending Windows 8 to Small Screen Devices

The Windows 8 tile and desktop user experience is, by now, very familiar to most users in enterprise environments. Although, Windows Embedded 8.1 will run on Intel architecture mobile devices with 5" screens (such as the Aava Inari5), the user experience will be difficult, especially for vertical and ruggedized usage scenarios (see Figure 1).



Figure 1: Windows 8 Desktop on Small Device

With Figure 2, we see the MobileV UX application launch screen experience which has appropriately sized a set of tiles for usability on a 5" display.



Figure 2: MobileV UX application launch screen

## Familiar User Experience

By building apps on MobileV UX, the OEM ensures that their users experience a familiar look and feel including layout, accessible resources and workflows.

OEMs can extend the lifecycle of existing legacy apps on an innovative platform that allows them to take advantage of Intel architecture hardware reference designs or current finished-good (FG) products.

The launching of applications is driven by a tile-based interface that MobileV UX has designed specifically for small form factors.

## MobileV UX Functionality

MobileV UX software enables a common, functional user experience across a variety of form factors ranging from small 5" screens to 10" tablets. Specific functionality includes:

- Windows 8 Start screen experience on small devices with a Windows Embedded 8 style shell optimized for sub-7" displays
- Support for Modern and Legacy applications
- An Application Launch Screen – “pin” legacy and modern apps to MobileV UX shell tiles which can be sized for usability
- Live tile support
- Custom branding support which allows OEMs and enterprises to create personalized branding for consistent user experience
- Localization support
- User profiles
- Configurability tools

## About Bsquare

Bsquare, a global leader in embedded solutions, applies experience and expertise on leading platforms to create new connections with customers, new business models and to enable new ways of working and communicating. Bsquare serves customers by forging connections among the partners, people, tools, and technology needed to create smart connected systems.

For more information, please visit [www.bsquare.com](http://www.bsquare.com) or email us at [sales@bsquare.com](mailto:sales@bsquare.com)