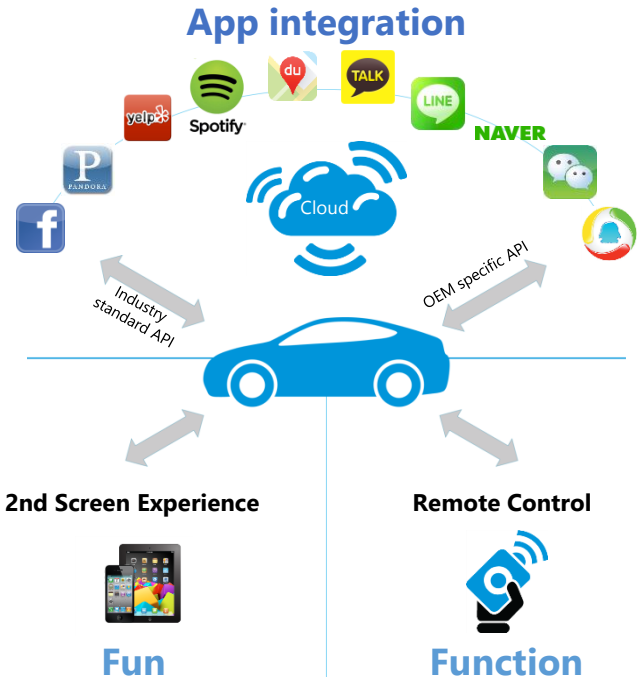
Konnect - Transforming the multi-device connectivity user experience

The exciting world of smart personal devices holds great promise for our connected lifestyles. But creating appealing multi-device user experiences is no easy task.

Variety of connection types, device-vendor restrictions, security threats and manual pairing methods all lead to a connectivity experience that lacks elegance and novelty.

Konnect – A unique solution for multi-device connectivity



- Purpose-built from core protocol level for connecting multiple devices simultaneously
- Extends user-experience from simple *app integration* to *fun-and-function* use cases
- 1-step connection, initiation, authentication and app launch – *all abstracted from user*
- Support for up to *10 simultaneous device connections* – including *sensors & wearables*
- *Bi-directional, high-bandwidth* with *best-in-class security*

Remote Control
Control audio, HVAC from rear seat using smartphone; send destination address to head unit from ***"passenger"*** phones

Remote HMI
Notifications, turn-by-turn directions and more – extract and present phone app content on multiple screens in vehicle

Projection Mode
Use phone as primary infotainment device with ***"customized"*** apps & services projected & controlled from vehicle screen

Streaming
Enjoy music and videos from your phone, co-passenger's phone, cloud account or favorite app by streaming to car screen

infotainment@kpit.com

Konnect Specifications

Target Resource Requirements

- Minimum 400 MHz CPU
- Minimum 2 MB of RAM for Remote Control and up to 128 MB for concurrent profiles including Screen Mirroring
- 4 MB of Flash
- C++ Standard Library
- Transport Layers
  - USB 2.0 or above
  - 802.11 abgn (Wi-Fi / Wi-Fi Direct)
  - Bluetooth Classic (SPP Support required)
  - Bluetooth Low Energy (BLE)
- Hardware accelerated decoders for various media formats

Hardware Platforms

Reference ports available on:

- Intel x86, x86_64 and IA-32 (PC platforms)
- Atheros AR7240@400MHz (MIPS32)
- ARM Cortex-A8@800MHz (Freescale i.MX53)
- ARM Cortex-A9@1GHz (Freescale i.MX6)
- iOS based devices
- Android based devices

Execution Environment

- Web browser with support for HTML5
- JavaScript
- Internet connectivity for downloading applications
- Devices with **iOS** (7.0 & above) and **Android** (4.0 & above)

Development Environment

- Linux or Windows based PC
- Web browser with support for HTML5
- Native development environment for deployment of Konnect

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