Media Network Solutions for STB and Home Gateway
How could STB and Home Gateway manufacturers add value to their products and services?

Companies aspire to provide services that meet their client`s needs.

They try to offer a smart solution to get a fully satisfied client.

Today’s consumers are technically savvy and highly demanding. They will choose the supplier who gives them the best integrated features and value for money.
Turn-key solution for home media

Wireless interactive services for smart media and entertainment environment

sharing, streaming, control of video, photo, audio, TV content within the home network
Arkuda Digital has market proven apps in App Store and Play Market with more than 2M+ installs and 500K+ active users
Integration architecture
Arkuda Digital extends Media Network API based on WAMP (Web Application Messaging Protocol).

With it you can plug-and-play any app components no matter on what languages they are written in.

Media Network API is based on microservice architecture.

Could be easily integrated into existing apps, or build UI on top of it in short terms, including browser based.

So, our approach fulfills all media network application communication needs.
Media network API

Apps/Services In Internet

Apps in Local Network

Apps on The Same Device

Arkuda Media Network API
WAMP based (RPC, PUB/SUB)

DMS

DMR

DMP

DMC

....

Apps
JavaScript, Python, C++, Java, Objective-C, PHP, C#...
Features

• Multiroom and Multistream functions
• Stream different channels on different screens simultaneously
• Stream music and audio files
• Stream video from STB, home Gateway, mobile devices
• Fast, reliable and easy implementation of IPTV
• Sharing TV content with all screens and devices in household
• Add extra features like YouTube, internet radio or music streaming services and home media sharing
• Adaptive Streaming support
• DTCP-IP support
Use Cases
Case 1

Home media network
Case 2

Share TV channels

TV channels
Case 3

Media from any source to any screen

Arkuda Digital - professional media network solutions
Case 4

IPTV, VoD, Adaptive streaming
Stream personal media content at TV or Receiver connected to STB
Supported Platforms

Mobile:
- iOS
- Android
- Win

Desktop:
- MacOS
- Win

Embedded devices:
- Linux
- QNX
Arkuda Digital is a high-end software company, a global provider of wireless Media Network solutions to Consumer Electronics ODM/OEMs, Cable and Telecom Operators, IPTV and STB solution providers and consumers.

Arkuda Digital will make an intellectual contribution to your IT projects, as we have had experience with companies such as: Samsung, U-Media, IMAQLIQ TV, Pocket Book, Fujitsu.

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