



DAVINCI™
TEXAS INSTRUMENTS

Connected TV Module

Get VoD, DLNA, Widgets and more on your board

The Connected TV Module gives you an easy way to add cutting-edge features to your standard TV chassis. This ready-to-use OEM platform lets you play network content from a variety of sources:

- Video-on-demand galleries that are compliant with Windows Media DRM 10 technologies.
- PC content, both free and protected using DLNA
- Widgets and miscellaneous Internet applications

The Connected TV Module implements a media renderer that can receive content from Wi-Fi enabled mobile devices, such as phones, internet tablets, personal media players and more.

Our convenient reference platform includes a module board and a socket board for demonstrations.

Software Features

Stored in NAND, fully upgradable through Internet

> **AwoX User Interface Toolkit compliant to DLNA 1.5:**

- UPnP AV 1.1 Media Renderer
- UPnP AV 1.1 Media Server
- UPnP AV 1.1 Control Point
- UPnP AutoIP - DHCP switch
- CEA 2014 HTML Browser
- Premium Content Online Services (*Internet Radio, Weather, Electronic Program Guide, Video on demand*)
- AwoX DLNA Media Server CD for Window XP/2000 provided

AwoX Software for PC

-DLNA Media Server CD for Windows XP/Vista with Windows Media DRM 10 Link Protection

> **Texas Instrument DSP Audio Video Media engine includes support for following CODECs:**

Images: JPEG, TIFF, BMP, PNG
 Audio: WAV, LPCM, WMA, MP3, AAC, AC3
 Video: VC1, WMA9, H.264, MPEG2-PS/TS, MPEG4 ASP
 Media Engine: STPlayer (up to 1080p)

> Montavista Professional Edition 4.0 (Linux Kernel 2.6)

> **Upgrade mechanism for DM644x & MSP430 software with recovery capability**

Stored in MSP 430 8kB Flash

- Power management
- Infrared decoding
- Real time clock
- Peripheral control

Hardware Module Features

Based on DaVinci from Texas Instrument.

Processor

-DaVinci systemon-chip TMS320DM6447 from Texas Instrument includes ARM926EJ-S 300MHz CPU and 64X 600 MHz DSP.

Memory

- 256MB DDR2 RAM
- 128MB Flash NAND
- EEPROM

Storage

- SD/MMC Card Reader
- USB 2.0 for Internet Flash storage & WiFi

Network

- Fast Ethernet RJ45 connectors
- WiFi 802.11 b/g with WEP/WPA/WPA2 support

Audio Video

- Digital video in & video out connectors for TV mainboard over HDMI



AwoX can provide not only the technology but also Europe & US content partner to bootstrap a connected experience.

VOD

- Windows Media DRM 10.2 Janus for WMP11 & Media Connect
- Experience in various license acquisition scheme & in testing VoD site ergonomoy
- Progressive Download Management with resume support
- Provider of VoD box for major EU TV broadcast operator

WebTV

- Experience in free & protected Streaming Content (MMS encapsulated)

Widgets

- Ready for Adobe Flash Lite Widgets
- Experience with Yahoo & Google Widgets
- Partner of Opera Widget Program

WebRadio

- Experience in implementation of radio portal for TV

DLNA Certification: AwoX guarantees certification in a defined time by contract. AwoX Implementations are used by DLNA as reference for the interoperability test.

PCLink:

- Digital Media Player compliant DLNA 1.5
- Compliance with non DLNA devices (Xbox 360, Windows Media Connect, WMP11, Roku, ...)
- WM DRM Cardea (ND Receiver)
- DTCP IP Sink

Content Sharing

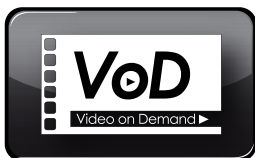
- Digital Media Server compliant DLNA 1.5
- WM DRM Cardea (ND Transmitter)
- DTCP IP Source

MobileToTV

- Digital Media Renderer compliant DLNA 1.5
- Digital Media Controller compliant DLNA 1.5, available as application for Apple iPhone & Windows Mobile to enable ecosystem

USBLink

- Libraries for streaming video content
- Solutions for multi-CODEC, subtitled media player
- Experience USB MSC driver optimization
- R/W support for all major filesystems



Play premium movies on your TV



Watch WebTV



Play music, pictures and videos from your PC



Share your USB device on the network



Add feeds, weather and quotes on your TV



Listen to WebRadios



Push your mobile's music and pictures to TV



Play music, pictures and videos from your USB storage

□ About AwoX

AwoX provides network media solutions for consumer electronics products based on mediaCTRL™, its DLNA-certified middleware. AwoX mediaCTRL enables people to stream video, music and photos seamlessly using digital audio and video devices in their regular home networks. AwoX mediaCTRL technology is at the heart of all AwoX audio and video connectivity accessories and solutions. AwoX is an implementer member of the UPnP Forum, a promoter member of the Digital Living Network Alliance and a founding member of Internet Media Device Alliance.

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