

Product Introduction CES 2009

Winbox EVO2 connected TV platform

Winbox Technologies is proud to present the brand new EVO2 OEM platform, the perfect starting point for development of superior next generation, Full-HD connected TV devices, set-top-boxes, IPTV systems or VOD appliances.

Summary



- Full HD (1080p) in all codecs incl. VC-1, H.264, WMV, MPEG4 ...
- Hardwareaccelerated User Interface with HTML and Flash integration
- Full Single / Dual Tuner DVB (S2/T2/C) integration, Teletext, PVR
- DVB-IPI compliant, Web-Streaming, Progressive Download, Youtube
- Best webbrower on a Set-Top-Box using WebKIT Engine
- Free webservices, pre-Integrated third party services, premium VOD
- Homenetworking, DMA / DLNA, placeshifting available
- Open standards based
- Linux version available Q1/09, Windows CE7 Q4/09 / Silverlight
- OEM TurnKeys available with customization options
- Build your own device with minimum time-to-market and zero investment

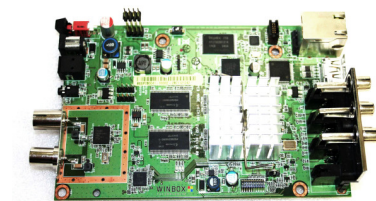
Based on the EVO2 platform, Winbox Technologies offers Professional Services on customer request for individualizing the solutions, e.g. customizing the user interface or integrating other hardware components and training and support in using Winbox's technologies. Last but not least OEM Production Services offers the end-to-end production management that can be performed in close cooperation with leading Asian OEM/ODM manufactures for our customers.



Typical Service Integration



EVO2-M TurnKey



EVO2-Platform

Full-HD

- Full HD up to 1080p 30 in all codecs including H.264, VC-1, WMV9, MPEG-1/2/4, Divx, Xvid, Flash Video
- Brilliant Picture Quality with hardwarebased optimization for both low and high bandwidths
- Independant 1080p scaler chip allows down & upscaling from and to any resolution
- HDMI / HDCP and all analog Video output options
- AAC, AC3, all digital and analog output options

Fantastic UI

- Superior User Interface framework with incredible hardware-accelerated performance and effects
- Rich Turn-Key User Interfaces and Customization Services available for typical usecases including:
 - Digital TV
 - PVR / DVR
 - IPTV
 - DMA / Home Networking
 - Internet browsing
- Seamless integration of different UI approaches like:
 - HTML / Ajax / Browser based
 - Native UI
 - Comprehensive Screen builder Tools
 - Adobe Flash

Seamless Hybrid

Thanks to the Seamless Hybrid Architecture multiple Video sources like:

- DVB-X (S/S2/T/T2/C) Tuners
- DVB-IPI
- IP-Multicast
- UPnP / DLAN
- Web-TV Live Streams (MMS, RTSP)
- Web-TV VOD (Streaming, Progressive)

Can be seamlessly integrated in:

- The same UI
 - The same channellist
 - The same EPG
- ... to create a true unified consumer experience

IPTV 2.0

Thanks to the superior system design, EVO2 is the perfect platform for next-generation IPTV deployments like:

- DVB-IPI based Open-Standards IPTV in IP-only or DVB-Hybrid scenarios
- Web-TV Use Cases that focus open Internet technologies like Adobe Flash Video and Windows Media Streaming
- Over-the-top Video On Demand services using any combination out of live-streaming (in SD/HD and any codec), progressive download, push-VOD with local Flash or Harddrive-Storage

Superior Webbrowser

- Built on the superior WebKIT engine also found in Apple Safari, iPhone or Google Chrome, Winbox's TVkit is the most powerful Webbrowser found on a Set-Top-Box class device today
- Leading Javascript engine, more than 200% performance compared to ANT Galio and IE
- Adobe Flash light 3.1 embedded available
- Can both be used as pure render engine for walled garden services or also as „Internet on TV“ engine

Cloud Services

EVO2 is featuring comprehensive possibilities for cloud / internet services adding instant consumer value like:

- Free standard portal listing popular watch-again content, live-TV feeds, web-radio-stations, Youtube and many more
- Easy integration of premium services like VOD including revenue share options
- A large array of services is already pre-integrated IF WANTED by OEM customer
- Multiple ways of uploading / sharing content over the internet
- Stable and secure 24/7 remote update and configuration management platform available in ASP mode or as licence product

Global Home Network

EVO2 features multiple networking options from Fast Ethernet to WLAN 801.11n to Powerline, enabling the following applications:

- Standard conformant UPnP Client, Control Point and Server for Video / Music / Foto applications and Multiroom-Sharing of PVR recordings
- Ready for DLNA
- Optional placeshifting add-ons available for Sling-Box like web- & local streaming of live content
- Remote access to local content available using cloud services

Open Standards

EVO2 was designed from scratch with the goal of open standard support including:

- HTML
- Javascript / Ajax / Jason ...
- Linux
- Windows CE7 incl. Silverlight
- Adobe Flash light 3.1
- Silverlight
- Windows Media
- MPEG4, H.264, VC1
- AAC, MP3, DTS, Dolby Digital
- RTSP, RTMP
- MMS
- HTTP
- DVB-S/S2/T/T2/C
- DVB-CA
- DVB-CI
- DVB-CI+
- DVB Subtitles
- DVB Teletext
- MHEG5
- UPnP
- DLNA
- OpenIPTV
- ...

Use Cases

The EVO2 platform can be used to build many different device classes for different markets and customer segments including:

- DVB-S2 Single or Dual Tuner FTA or CI connected Set-Top-Boxes and PVRs
- DVB-T(2) Hybrid Systems including DMA and VOD functionalities
- Full HD Digital Media Adapters with multiple free web-services including 1000+ webradio and webTVfeeds, Youtube, Watch Again / Podcast Services and optional Premium Pay –VOD
- idTVs – Integrated TV sets with DMA, VOD, Youtube class services and Internet-Browsing capabilities
- Inexpensive VOD Operator Boxes for bundling with over-the-top (HD) VOD or IPTV services
- ... and many more

Available EVO2 TurnKey Products

EVO2-S Compact Linux* based Full-HD IPTV / VOD / DMA device with USB 2.0 support, H.264 and Windows Media Codecs, Adobe Flash, WinDRM, DLNA, HDMI, WLAN, 1080p/30, superior Webkit browser and “Fantastic UI”

EVO2-M Mid-size Linux* based Full-HD IPTV / VOD / DMA device with USB 2.0 support, H.264 and Windows Media Codecs, Adobe Flash, WinDRM, DLNA, HDMI, WLAN, 1080p/30 – Full-Hybrid design with integrated single DVB-S2/T/C Tuner and DVB-CA/CI option, superior Webkit browser and “Fantastic UI”

EVO2-L Full-size Linux* based Full-HD IPTV / VOD / DMA device with USB 2.0 support, H.264 and Windows Media Codecs, Adobe Flash, WinDRM, DLNA, HDMI, WLAN, 1080p/30 – Full-Hybrid design with integrated dual DVB-S2/T/C Tuner and DVB-CA/CI option, PVR integrated, superior Webkit browser and “Fantastic UI”

** EVO2 is also available for Windows Embedded Compact 7 with native Silverlight support starting end of 2009*

Get your individual solution

Winbox Technologies offers a comprehensive set of end-to-end customization options for the Winbox TurnKey base products. From user interface, to remote control, case design, custom service-integration, fully individual PCB layouts to all possible assembly, production, logistics and after-sales options. Winbox will allow you to create your very own superior device in less time with less investment.

