



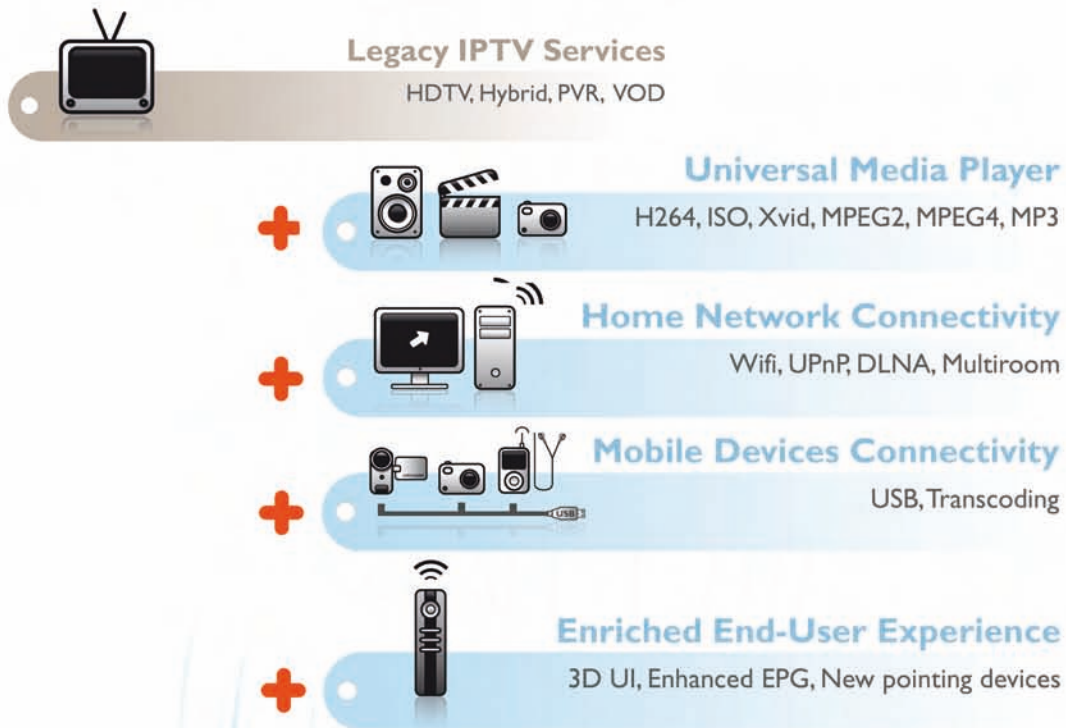
A breath of simplicity



## HD IPTV Box

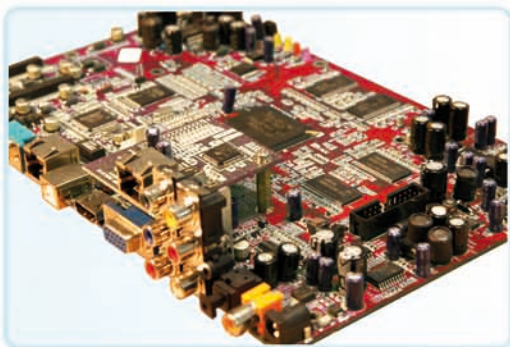
IPTV box featuring home networking

Wyplay unveils its newest generation HD IPTV reference design. Targeting ISP and Telcos, this platform offers state of the art services to consumers. This reference design includes a hardware platform with its associated software.



Choosing Wyplay as a partner guarantees a highly differentiated product offering that will serve to reinforce your corporate brand.





# HD IPTV Box

## Reference design

### Core

- Based on ST7109 chipset, supports high-definition content and state of the art A/V decoding
- Wyplay software based on Embedded Linux OS

### Digital TV

- HD support
- IP streaming
- Hybrid support : DVB-T or DVB-C
- PVR with watch and record, time-shifting using internal SATA or external USB2.0 disks
- EPG

### Security

- Hardware compliant with latest CAS requirements
- DRM
- Platform hardware protected
- Macrovision and HDCP video protection
- Local HDD encryption

### Network protocols

- IP version 4, version 6
- HTTP/HTTPS, TCP, UDP, FTP
- RTP/RTSP/RTCP
- IGMP v2 v3
- SSL (version 3.0, 64 and 128 bits)
- NTP
- DHCP and Auto IP network configuration

### Connectivity

- Ethernet port 10/100
- USB2.0: mass storage, PTP, keyboard, mouse, gamepad, webcam, accessories
- WiFi add-on: a/b/g/ or n
- Video: CVBS/SVHS/YUV/HDMI (1080i)
- Audio: L/R, SPDIF
- Smartcard reader
- Bluetooth (optional)

### Box management

- Software upgrade (from USB, from network)
- HTTP remote management

### Web browser

- XHTML 1.0 , HTML 4.01
- CSS 2
- Dom 1,2
- Cookies
- Javascript 1.5 (ECMAScript 262)
- AJAX
- SVG, Canvas
- XML Data parsing
- Javascript API for application framework

### Audio

- MPEG1/2, MP3, WMA, AAC, DTS, AC3, Ogg Vorbis
- Internet radio
- Playlist management

### Video

- MPEG1/2, MPEG4 Part 2, MPEG4 Part 10 SD/HD (AVC / H.264), WM9/VC1 SD/HD, Xvid
- AVI, ASF, MP4, MKV, ISO, VOB, TS
- Smooth trick modes
- Multiple audio tracks / subtitle files

### Photo Abum

- JPEG, BMP, TIFF, PNG
- Slideshow with animation
- Pan/scan, Zoom, Rotate
- Thumbnail mode

### Home networking

- Compliant with UPnP /DLNA 1.5 standards
- DHCP + Auto-IP network configuration
- Media Player: Access PC and networked devices content
- Media Server: Share internal or USB contents with PC and other networked devices

### Options

- NAND flash support for PauseTV/rewind TV support
- Flexible Front Panel
- CD/DVD reader/burner (USB or ATAPI)



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