

# IPTV STB-7742 and STB-7743

High Definition TV Dual Tuner Hybrid IP Set Top Box with Dual DVB-T Tuner and Smart Card Reader



Turn your television into a comprehensive hub for entertainment at home with the help of our Set-Top Box (STB) and broadband internet access! Existing devices like Video/DVD recorders or HiFi equipment can easily be connected to the STB. Whether you have a PSTN/DSL- or a cable access network - our IPTV STB, equipped with an ethernet port, can be used with any access technology. With its state-of-the-art video-coding technology (for both standard- and high-definition TV), it ensures access to a wide range of entertainment services with extremely low band-width requirements. Countless TV channels, the latest blockbusters and music, internet, e-mail and games come alive right in your living room!

Equipped with the latest video-coding technology based on the MPEG-4/H.264 standard (the successor of the well-known MPEG-2), DVD video quality can be achieved in standard definition resolution (PAL/NTSC) with less than 2Mbit/s- high definition movies only require around 8 Mbit/s.

All online services are realized through IP, the Internet protocol. The open architecture concept of STB enables its integration into different IPTV platforms - service providers choose their own environment. The operator also controls the quality of service - ensuring a smooth provision of any service offered.

IPTV STB model		7742	7743
<b>System</b>		◆	◆
Chipset	ST-M STi7109 SoC SD/HD video processor	◆	◆
System memory	128 MB DDR	◆	◆
Video memory	64 MB DDR	◆	
Flash memory	32 MB NAND System / 4 MB NOR Boot/Recovery		◆
	2 MB NOR Boot/Recovery	◆	◆
Operating system	Linux® 2.6	◆	◆
Java Virtual Machine*	Skelmi® CEE-J	◆	◆
On-screen GUI/Middleware*	Myrio Interactive® / Opera® Browser based Middlewares	◆	◆
IR remote control	Hotkeys, Channel Selection, Volume control, etc.	◆	◆
<b>Physical Characteristics</b>			
Data interfaces	RJ-45 Ethernet WAN (10/100 Mbps MDI/MDIX Auto-Sensing) / 2x USB 2.0 Host, Smart Card Reader	◆	◆
Video interfaces	TV SCART (RGB, Composite) video/audio out	◆	◆
	VCR SCART (RGB in, Composite & Audio in/out)	◆	◆
	Composite video (CVBS) out, S-Video out	◆	◆
	HDTV: Component YPbPr, HDMI®	◆	◆
Audio interface	Left/right RCA stereo connector	◆	◆
	Optical & coaxial S/PDIF digital audio out	◆	◆
Dual DVB-T	IEC (female) 60169-2, Antenna in / IEC (male) 60169-2 Loop through RF out	◆	◆
Dimensions	300 x 180 x 60 mm	◆	
	300 x 240 x 60 mm		◆
Weight	in kg	1.425	2.070
Operating Temperature	0° – 45° C	◆	
	5° – 35° C		◆
LED indicators	Power/Standby, Connection to network, Operating modus, Record, IR status	◆	◆
Display	None, 7-segment LED (4-digit), VFD*	LED	LED
Hard disk drive	160 GB		◆
<b>Coding</b>			
Audio	MPEG1-L1/L2, MPEG2, MPEG1-L3* (MP3), AAC*, HE-AAC*, Dolby® Digital 2.0/5.1 (AC-3), Down Mix, Dolby® Digital pass through to S/PDIF	◆	◆
Video	MPEG-2 MP@ML (SD) and MP@HL up to 20 Mbit/s	◆	◆
	MPEG-4 Part 10 (H.264) MP@L3 (SD) and HP@level 4.1 up to 20 Mbit/s	◆	◆
<b>DVB-T</b>			
Input Frequency	161 – 861 MHz	◆	◆
Input Impedance	75 Ohm	◆	◆
<b>Management</b>			
Configuration / Fw Upgrade	Plug & Play with single sign in / Secure remote upgrade	◆	◆
<b>Security</b>	User & password authentication, HTTPS	◆	◆
Copy Protection	Analogue: Macrovision® copy protection / Digital: HDCP on HDMI® video out	◆	◆
Content Protection/DRM*	Verimatrix®, Widevine®, Nagravision®	◆	◆
<b>Web browser*</b>	HTML, HTTP, HTTPS, DHTML, SSL, Cookie, Java® Script, Adobe® (Macromedia) Flash, Viewing formats GIF, JPEG, PNG, Espial Escape®, Opera®, ANT®	◆	◆
<b>Protocols</b>	RTPS (VoD control), NTP	◆	◆
	Internet Group Management Protocol (IGMP) V2 and V3, Dynamic Host Configuration Protocol (DHCP)	◆	◆
<b>Certificates</b>	CE, Declaration of Conformity; EMC/Emission: EN 55013, EN 55022, EN 610000 EMS/Immunity: EN 55020, EN 55024; Safety: EN 60065 (EN 60950), Environmental: EN 300019	◆	◆
<b>Scope of delivery</b>	IPTV STB 774x, external mains power adapter, user manual	12V <sub>DC</sub> /2 A	12V <sub>DC</sub> /3 A
<b>Accessories*</b>	Infrared keyboard/remote control & batteries	◆	◆
Cables	Ethernet cable, SCART cable, video (CVBS) & audio (L/R) cable, component cable	◆	◆
	Antenna cable, HDMI® cable, S-Video cable, S/PDIF cable coaxial/optical	◆	◆
<b>Ordering number</b>	STB-7742: S1630-H7421-A101-(state) STB-7743: S1630-H7431-A101-(state)	◆	◆

\* optionally available on request

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