

IP Television, Digital Video Broadcast, High Definition TV and more STB 75x-series

Siemens' IPTV Set-Top Box (STB) product family gives you a wide range of powerful and versatile possibilities to deliver broadcast television, video and interactive services right to your living room. Equipped with the ubiquitous Ethernet Interface interworking over the network is easily accomplished. A wide range of video codecs in Standard Definition (SD) and High Definition (HD) Television formats including MPEG-4 AVC/H.264 and VC-1 coding schemes guarantee the most economical use of precious bandwidth. Various interfaces facilitate a seamless integration into your existing environment at home.

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-M/N, NTSC) with less than 2Mbit/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.



Characteristics

- Standard definition and high definition television
- Standard MPEG-2 decoding
- Advanced video coding support (H.264 and VC-1)
- IP Television, Video on Demand, Audio on Demand
- Internal Hard Disk Drive (HDD), Timeshifted TV and Trickplay
- Integrated digital video broadcast receiver
- UPnP Audio/Video player
- Embedded web browser
- Internal web server
- Connected through ubiquitous Ethernet to network
- PAL and NTSC support
- Supports smart card-based conditional access systems
- Supports several IPTV middleware solutions

System

- Chipset: n SD/HD SoC STB Processor (266 MHz, 400 MIPS)
- Memory: n 192 MB DDRAM
- Flash memory: n up to 64 MB
- Operating system: n Linux® 2.6
- IR control*: n IR remote control and keyboard
- Hard disk: n Hard disk drive up to 320GB

Coding

- Audio: n 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: n MPEG-2 MP@ML (SD) and MP@HL up to 20 Mbit/s
- n MPEG-4 Part 10 (H.264) MP@L3 (SD) and HP@level 4.1 up to 20 Mbit/s
- n VC-1*

Security

- n Supports smart card-based conditional access systems
- n HTTPS
- n Analogue and digital copy protection
- n HDCP

Web Browser*

- n HTML, HTTP, HTTPS, DHTML, SSL, Cookie, Java Script, Adobe (Macromedia) Flash
- n Viewing formats GIF, JPEG, PNG

Protocols

- n RTSP (VoD control), NTP
- n Internet Group Management Protocol (IGMP) V2 and V3
- n Dynamic Host Configuration Protocol (DHCP)

	7500	7510	7511	7530	7531
Standard Definition TV	u				
High Definition TV		u	u	u	u
Hard Disk Drive (HDD)			u		u
Display			u		u
RF Modulator				u	u

02-20090217

Middleware Solutions*

- n Nokia Siemens Networks - IPTV solution
- n Opera Browser - based solutions
- n DVB-IPI (ETSI TS 102 034) Live Media Broadcast Profile

...further IPTV solutions will be implemented on request

Connectors

- Data: n RJ-45 Ethernet WAN (10/100Mbps Auto-Sensing)
- n Dual USB V2.0 Host (front access)
- Video: n Composite video out
- n S-Video (Hosiden) video out
- n HDTV: Component video out (YPbPr)
- n HDTV: HDMI type A connector
- Audio: n RCA audio out L/R
- n S/PDIF optical digital audio out (pass-through / stereo downmix)

* optionally available on request



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IPTV STB-7710 and STB-7711

High Definition Television H.264 IP Set Top Box



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 bandwidth 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 2 Mbit/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		7710	7711
System			
Chipset	ST-M STI7109 SoC SD/HD video processor	u	u
System memory	128 MB DDR	u	u
Video memory	64 MB DDR	u	u
Flash memory	32 MB NAND System / 4 MB NOR Boot/Recovery	u	
	2 MB NOR Boot/Recovery		u
Operating system	Linux 2.6	u	u
Java Virtual Machine*	Skelmir® CEE-J	u	u
On-screen GUI/Middleware*	Myrio Interactive® / Opera® Browser based Middlewares	u	u
IR remote control	Hotkeys, Channel Selection, Volume control, etc.	u	u
Physical Characteristics			
Data interfaces	RJ-45 Ethernet WAN (10/100 Mbps MDI/MDIX Auto-Sensing) / 2x USB 2.0 Host	u	u
Video interfaces	TV SCART (RGB, Composite) video/audio out	u	u
	VCR SCART (RGB in, Composite & Audio in/out)	u	u
	Composite video (CVBS) out, S-Video out	u	u
	HDTV: Component YPbPr, HDMI	u	u
Audio interface	Left/right RCA stereo connector	u	u
	Optical & coaxial S/PDIF digital audio out	u	u
Dimensions	300 x 180 x 60 mm	u	
	300 x 240 x 60 mm		u
Weight	in kg	1.220	1.780
LED indicators	Power/Standby, Connection to network, Operating modus, Record, IR status	u	u
Display	None, 7-segment LED (4-digit), VFD*	none	LED
Hard disk drive	160 GB		u
Coding			
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	u	u
Video	MPEG-2 MP@ML (SD) and MP@HL up to 20 Mbit/s	u	u
	MPEG-4 Part 10 (H.264) MP@L3 (SD) and HP@level 4.1 up to 20 Mbit/s	u	u
Management			
Configuration / Fw Upgrade	Plug & Play with single sign in / Secure remote upgrade	u	u
Security			
	User & password authentication, HTTPS	u	u
Copy Protection	Analogue: Macrovision copy protection / Digital: HDCP on HDMI video out	u	u
Content Protection/DRM*	Verimatrix, Widevine, Nagravision	u	u
Web browser*			
	HTML, HTTP, HTTPS, DHTML, SSL, Cookie, Java Script, Adobe (Macromedia) Flash, Viewing formats GIF, JPEG, PNG, Espial Escape, Opera, ANT	u	u
Protocols			
	RTPS (VoD control), NTP	u	u
	Internet Group Management Protocol (IGMP) V2 and V3, Dynamic Host Configuration Protocol (DHCP)	u	u
Certificates			
	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	u	u
Scope of delivery	IPTV STB 7710 or STB 7711, external mains power adapter, user manual	12V _{DC} /2 A	12V _{DC} /3 A
Accessories*			
	Infrared keyboard/remote control & batteries	u	u
Cables	Ethernet cable, SCART cable, video (CVBS) & audio (L/R) cable, component cable	u	u
	HDMI cable, S-Video cable, S/PDIF cable coaxial/optical	u	u
Ordering number			
	STB-7710: S1630-K7100-A101-(state)	u	
	STB-7711: S1630-K7111-A101-(state)		u

* optionally available on request

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

* optionally available on request

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IPTV STB-7762 and STB-7763

High Definition TV Hybrid IP Set Top Box with Dual DVB-C 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 bandwidth 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 2 Mbit/s - high definition movies only require around 8Mbit/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		7762	7763
System			
Chipset	ST-M STi7109 SoC SD/HD video processor	u	u
System memory	128 MB DDR	u	u
Video memory	64 MB DDR	u	u
Flash memory	32 MB NAND System / 4 MB NOR Boot/Recovery	u	u
Operating system	Linux 2.6	u	u
Java Virtual Machine*	Skelmi® CEE-J	u	u
On-screen GUI/Middleware*	Myrio Interactive® / Opera® Browser based Middlewares	u	u
IR remote control	Hotkeys, Channel Selection, Volume control, etc.	u	u
Physical Characteristics			
Data interfaces	RJ-45 Ethernet WAN (10/100 Mbps MDI/MDIX Auto-Sensing) / 2x USB 2.0 Host, Smart Card Reader	u	u
Video interfaces	TV SCART (RGB, Composite) video/audio out	u	u
	VCR SCART (RGB in, Composite & Audio in/out)	u	u
	Composite video (CVBS) out, S-Video out	u	u
	HDTV: Component YPbPr, HDMI	u	u
Audio interface	Left/right RCA stereo connector	u	u
	Optical & coaxial S/PDIF digital audio out	u	u
Dual DVB-T	IEC (female) 60169-2, Antenna in / IEC (male) 60169-2 Loop through RF out	u	u
Dimensions	300 x 180 x 60 mm	u	
	300 x 240 x 60 mm		u
Weight	in kg	1.300	1.850
Operating Temperature	0° – 45° C	u	
	5° – 35° C		u
LED indicators	Power/Standby, Connection to network, Operating modus, Record, IR status	u	u
Display	None, 7-segment LED (4-digit), VFD*	LED	LED
Hard disk drive	160 GB		u
Coding			
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	u	u
Video	MPEG-2 MP@ML (SD) and MP@HL up to 20 Mbit/s	u	u
	MPEG-4 Part 10 (H.264) MP@L3 (SD) and HP@level 4.1 up to 20 Mbit/s	u	u
DVB-C			
Input Frequency	VHF: 174 ~ 230 MHz UHF: 470 ~ 862 MHz	u	u
Input Impedance	75 Ohm	u	u
Management			
Configuration / Fw Upgrade	Plug & Play with single sign in / Secure remote upgrade	u	u
Security			
	User & password authentication, HTTPS	u	u
Copy Protection	Analogue: Macrovision copy protection / Digital: HDCP on HDMI video out	u	u
Content Protection/DRM*	Verimatrix, Widevine, Nagravision	u	u
Web browser*			
	HTML, HTTP, HTTPS, DHTML, SSL, Cookie, Java Script, Adobe (Macromedia) Flash, Viewing formats GIF, JPEG, PNG, Espial Escape, Opera, ANT	u	u
Protocols			
	RTPS (VoD control), NTP	u	u
	Internet Group Management Protocol (IGMP) V2 and V3, Dynamic Host Configuration Protocol (DHCP)	u	u
Certificates			
	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	u	u
Scope of delivery	IPTV STB 775x, external mains power adapter, user manual	12V _{DC} /2 A	12V _{DC} /3 A
Accessories*	Infrared keyboard/remote control & batteries	u	u
Cables	Ethernet cable, SCART cable, video (CVBS) & audio (L/R) cable, component cable	u	u
	Antenna cable, HDMI cable, S-Video cable, S/PDIF cable coaxial/optical	u	u
Ordering number	STB-7752: S1630-H7621-A101-(state) STB-7753: S1630-H7631-A101-(state)	u	u

* optionally available on request

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IP Television, Digital Video Broadcast, High Definition TV and more STB 77x-series

Siemens' IPTV Set-Top Box (STB) product family gives you a wide range of powerful and versatile possibilities to deliver broadcast television, video and interactive services right to your living room. Equipped with the ubiquitous Ethernet Interface interworking over the network is easily accomplished. A wide range of video codecs in Standard Definition (SD) and High Definition (HD) Television formats including MPEG-4 AVC/H.264 and VC-1 coding schemes guarantee the most economical use of precious bandwidth. Various interfaces facilitate a seamless integration into your existing environment at home.

The internal Hard Disk Drive (HDD) offers Personal Video Recorder (PVR) functionality and offers you full control over viewing, recording and timing of your favorite programmes on TV.

Thanks to our modular STB concept hybrid solutions are easily realised through extensions by Digital Video Broadcast (DVB) reception modules for terrestrial and cable broadcast transmission. Enhanced consumer needs are perfectly fulfilled by a second DVB tuner.



Characteristics

- Standard definition and high definition television
- Standard MPEG-2 decoding
- Advanced video coding support (H.264 and VC-1)
- IP Television, Video on Demand, Audio on Demand
- Internal Hard Disk Drive (HDD), Timeshifted TV and Trickplay
- Integrated digital video broadcast receiver
- UPnP Audio/Video player
- Embedded web browser
- Internal web server
- Connected through ubiquitous Ethernet to network
- PAL and NTSC support
- Supports smart card-based conditional access systems
- Supports several IPTV middleware solutions

System

- Chipset: n SD/HD SoC STB Processor (266 MHz, 400 MIPS)
- Memory: n 192 MB DDRAM
- Flash memory: n up to 64 MB
- Operating system: n Linux® 2.6
- IR control*: n IR remote control and keyboard
- Hard disk: n Hard disk drive up to 320GB

Coding

- Audio
 - n 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:
 - n MPEG-2 MP@ML (SD) and MP@HL up to 20 Mbit/s
 - n MPEG-4 Part 10 (H.264) MP@L3 (SD) and HP@level 4.1 up to 20 Mbit/s
 - n VC-1*

Security

- n Supports smart card-based conditional access systems
- n HTTPS
- n Analogue and digital protection
- n HDCP

Web Browser*

- n HTML, HTTP, HTTPS, DHTML, SSL, Cookie, Java Script, Adobe (Macromedia) Flash
- n Viewing formats GIF, JPEG, PNG

Protocols

- n RTSP (VoD control), NTP
- n Internet Group Management Protocol (IGMP) V2 and V3
- n Dynamic Host Configuration Protocol (DHCP)

	7700	7710	7711	7742*	7743*	7762*	7763*
Standard Definition TV	u						
High Definition TV		u	u	u	u	u	u
Dual DVB-T				u	u		
Dual DVB-C						u	u
Hard Disk Drive (HDD)			u		u		u
Display			u	u	u	u	u
Smart Card Reader				u	u	u	u

* Single Tuner version available on request

02-20090217

Middleware Solutions*

- n Nokia Siemens Networks - IPTV solution
- n Opera Browser - based solutions
- n DVB-IPI (ETSI TS 102 034) Live Media Broadcast Profile

...further IPTV solutions will be implemented on request

Connectors

- Data:
 - n RJ-45 Ethernet WAN (10/100Mbps Auto-Sensing)
 - n Dual USB V2.0 Host (front access)
- Video:
 - n Composite video out
 - n S-Video (Hosiden) video out
 - n SCART (RGB and Composite) A/V output
 - n HDTV: Component video out (YPbPr)
 - n HDTV: HDMI type A connector
- Audio:
 - n RCA audio out L/R
 - n S/PDIF optical digital audio out (pass-through / stereo downmix)
- DVB:
 - n IEC (female) 60169-2, Antenna In
 - n IEC (male) 60169-2, Loop through RF out
 - n Dual or single DVB-T/-C

* optionally available on request



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SceneGate 8000

High Definition IPTV STB

Set-top Box



The SceneGate 8000 is an entry level IPTV STB built in a small housing. It is an ideal STB to deliver standard services or can be used as cost efficient «second room» STB. Using an external IR extender the STB can also be used in solutions requiring concealed environments.

It provides the most relevant interfaces while offering high definition (HD) decoding and display quality up to 1080p with 60 Hz via an HDMI™ 1.3 interface. Therefore high definition content services like Video on Demand (VoD) and linear IPTV services can be brought to the user with unique quality.

- Video Display 1080p
- HDMI 1.3 with HDCP
- Flexible Software API
- EUCoC Stand-by Mode
- IR Extender interface

The latest system on chip technology provides enhanced processing power and memory, allowing sophisticated applications and attractive user interfaces.

Albis Technologies has made exceptional efforts to optimize the system and graphic performance to its best. The flexible software framework provides open APIs for integration with native or browser based middleware clients and applications. For integration with today's internet media offerings, the software framework can be extended with a flexible media engine allowing de-multiplexing and decoding of the most popular container and codec format including flash video. In addition UPnP based media sharing is available for applications to allow in-home streaming or multi-room concepts.

With its contemporary design the SceneGate 8000 STB is a cost-attractive device for today's living room services. High engineering quality and optimized software guarantee excellent user experience and customer satisfaction for your services.

System

Chipset	Sti7105, >800DMIPS general purpose CPU
System memory	256 MB – 512MB DDR2-800MHz
Flash memory	128 MB
Operating system	Linux® 2.6

Physical Characteristics

Data interfaces	1 x USB 2.0 host (rear); 1 x Ethernet WAN (10/100 Mbps); 1 x IR extender interface; 1 x eSATA interface
Audio interface	1 x Audio L/R; 1 x S/PDIF optical
Video interface	1 x HDMI 1.3; 1 x SCART; 1 x Composite
Dimensions	250 x 130 x 40 mm
LED indicators	Power on/standby; IR, Con, Mode
Buttons	Power On/Off (rear); Standby (front)

Coding

Audio	MPEG-1 L1/L2; MPEG-2; Dolby® Digital (Plus) 2.0/5.1 (AC-3), Down Mix, Dolby® Digital (Plus) pass through to S/PDIF MPEG-1 L3 (MP3) ¹ , AAC ¹ , HE-AAC ¹ , WMA9 ¹
Video	MPEG-2 MP@ML (SD) and MP@HL (HD 1080p@30Hz); max. display resolution 1080p@60Hz MPEG-4 Part 10 (H.264) MP@L3 (SD) and HP@level 4.1 (HD 1080p@30); Display resolution up to 1080p@60Hz DivX ¹ , VC1 ¹ , VP6 ¹ , FLV ¹

Copy Protection	HDCP; Macrovision
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Certificates	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
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Protocols	RTSP (VoD), DHCP, NTP, IGMPv2/v3, RTP
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Hardware Options	WLAN (802.11 b/g/n); Smart Card Reader
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Software Options

Middleware/Application	Myrio (Nokia Siemens Networks); Dreampark; Zappware; others on request
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DRM/CA	Verimatrix, others on request
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Misc	Opera Browser™; Skelmir JVM; UpnP player; Universal Media Framework; Software Update Server; Software Development Kit for C/C++ API or JavaScript API
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Accessories	Remote Control, IR extender Ethernet Cable; SCART cable; HDMI cable; Audio L/R cable (2 x RCA) Audio/Video cable (3 x RCA)
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Scope of delivery	SceneGate 8000 STB; Power Supply (12V/15W); Manual (English); selected accessories
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Customization Options	Customer specific Remote Control; Customer Logos on RC and Front Panel; Labeling and Packaging; Cables; Boot and Splashscreen
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¹ optionally available on request; requires additional license



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SceneGate 8500

High Definition IPTV STB with PVR

Set-top Box



The SceneGate 8500 is an enhanced IPTV STB, offering unique high definition (HD) decoding and picture quality, with various options from PVR to WLAN. SceneGate 8500 is the ideal mid range STB for IPTV solutions.

It provides a wide range of interfaces HD decoding and display quality up to 1080p with 60 Hz via an HDMI™ 1.3 interface. Therefore high definition content services like Video on Demand (VoD) and linear IPTV services can be brought to the user with unique quality supporting a wide range of video and audio codecs. Time Shift TV (TsTV) or program recording in parallel to watching an HD program from either input in conjunction with a standard definition (SD) picture-in-picture decode are possible scenarios.

- VideoDisplay1080p
- HDMI.3withHDCP
- FlexibleSoftware API
- ELCoCStand-byMode
- VideoRecorder
- VFDisplay

The latest system on chip technology provides enhanced processing power and memory allowing sophisticated applications and attractive user interfaces.

Albis Technologies has made exceptional efforts to optimize the system and graphic performance to its best. The flexible software framework provides open APIs for integration with native or browser based middleware clients and applications. For integration with today's internet media offerings, the software framework can be extended with a flexible media engine allowing de-multiplexing and decoding of the most popular container and codec format including flash video. In addition UpnP based media sharing is available for applications to allow in-home streaming or multi-room concepts.

With its contemporary design the SceneGate 8500 STB is a cost effective device for today's living room services. High engineering quality and optimized software guarantee excellent user experience and customer satisfaction for your services.

System

Chipset	Sti7105, 800DMIPS general purpose CPU
System memory	256 MB (512 MB on request)
Flash memory	128 MB
Hard Disk	250GB (larger HDDs on request)
Operating system	Linux 2.6

Physical Characteristics

Data interfaces	2 x USB 2.0 host (front/rear); 1 x Ethernet WAN (10/100 Mbps)
Audio interface	1 x Audio L/R; 1 x S/PDIF optical
Video interface	1 x HDMI 1.3; 1 x SCART; 1 x Composite
Dimensions	360 x 240 x 60 mm
LED indicators	Power on/standby
Display	Alphanumeric (VFD) 16 characters and 16 symbols
Buttons	Power of (back); Standby (eluminated) front; 7 control buttons

Coding

Audio	MPEG-1 L1/L2; MPEG-2; Dolby® Digital (Plus) 2.0/5.1 (AC-3), Down Mix, Dolby® Digital (Plus) pass through to S/PDIF MPEG-1 L3 (MP3) ¹ , AAC ¹ , HE-AAC ¹ , WMA9 ¹
Video	MPEG-2 MP@ML (SD) and MP@HL (HD 1080p@30Hz); max. display resolution 1080p@60Hz MPEG-4 Part 10 (H.264) MP@L3 (SD) and HP@level 4.1 (HD 1080p@30); Display resolution up to 1080p@60Hz DivX ¹ , VC1 ¹ , VP6 ¹ , FLV ¹

CopyProtection	HDCP; Macrovision
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Certificates	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
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Protocols	RTSP (VoD), DHCP, NTP, IGMPv2/v3; RTP
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HardwareOptions	WLAN (802.11 b/g/n); Smart Card Reader
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SoftwareOptions

Middleware/Application	Myrio (Nokia Siemens Networks); Dreampark; Zappware; others on request
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DRM/CA	Verimatrix; others on request
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Misc	Opera Browser™; Skelmir JVM; UpnP player; Universal Media Framework; Software Update Server; Software Development Kit for C/C++ API or JavaScript API
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Accessories	Remote Control Ethernet Cable; SCART cable; HDMI cable; Audio L/R cable (2 x RCA) Audio/Video cable (3 x RCA)
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Scopeofdelivery	SceneGate 8000 STB; Power Supply (12V/15W); Manual (English); selected accessories
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Customization Options	Customer specific Remote Control; Customer Logos on RC and Front Panel; Labeling and Packaging; Cables; Boot and Splashscreen
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SceneGate 8800

High Definition DVB/IPTV Hybrid STB

Set-top Box



The SceneGate 8800 is an enhanced hybrid DVB/IPTV STB offering unique high definition (HD) decoding and picture quality, with various options from PVR to WLAN. The STB 8800 is the ideal living room STB for hybrid DVB/IPTV scenarios combining on-demand and interactive services with the conventional DVB programmes.

It provides a wide range of interfaces, HD decoding and display quality up to 1080p with 60 Hz via an HDMI™ 1.3 interface. Therefore high definition content services like Video on Demand (VoD) and linear TV services can be brought to the user with unique quality supporting a wide range of video and audio codecs. Independent of the content source, DVB and IPTV contents can be watched and recorded in parallel. Time Shift TV (TsTV), program recording from DVB or IPTV and in parallel to watching a high definition program from either input in conjunction with a standard definition (SD) picture-in-picture decode are possible scenarios.

- Video Display 1080p
- HDMI 1.3 with HDCP
- Flexible Software API
- E-List Stand-by Mode
- Video Recorder Option
- VFD Display
- Dual DVB-T/C Tuner

The latest system on chip technology provides enhanced processing power and memory allowing sophisticated applications and attractive user interfaces.

Albis Technologies has made exceptional efforts to optimize the system and graphic performance to its best. The flexible software framework provides open APIs for integration with native or browser based middleware clients and applications. For integration with today's internet media offerings, the software framework can be extended with a flexible media engine allowing de-multiplexing and decoding of the most popular container and codec format including flash video. In addition UpnP based media sharing is available for applications to allow in-home streaming or multi-room concepts.

On the hardware side, options for dual DVB-T and DVB-C tuner, wireless LAN or hard disk are available complementing the possible software feature richness.

With its contemporary design the SceneGate 8800 STB is a cost effective device for today's living room services. High engineering quality and optimized software guarantee excellent user experience and customer satisfaction for your services.

System

Chipset	Sti7105, 800DMIPS general purpose CPU
System memory	512 MB on request
Flash memory	128 MB
Operating system	Linux 2.6

Physical Characteristics

DVB	Dual DVB-T or DVB-C Tuner with RF pass through
Data interfaces	2 x USB 2.0 host (front/rear); 1 x Ethernet WAN (10/100 Mbps)
Audio interface	1 x Audio L/R; 1 x S/PDIF optical
Video interface	1 x HDMI 1.3; 1 x SCART; 1 x Composite
Dimensions	360 x 240 x 60 mm
LED indicators	Power on/standby
Display	Alphanumeric (VFD) 16 characters and 16 symbols
Buttons	Power of (back); Standby (eluminated) front; 7 control buttons

Coding

Audio	MPEG-1 L1/L2; MPEG-2; Dolby® Digital (Plus) 2.0/5.1 (AC-3), Down Mix, Dolby® Digital (Plus) pass through to S/PDIF MPEG-1 L3 (MP3) ¹ , AAC ¹ , HE-AAC ¹ , WMA9 ¹
Video	MPEG-2 MP@ML (SD) and MP@HL (HD 1080p@30Hz); max. display resolution 1080p@60Hz MPEG-4 Part 10 (H.264) MP@L3 (SD) and HP@level 4.1 (HD 1080p@30); Display resolution up to 1080p@60Hz DivX ¹ , VC ¹ , VP6 ¹ , FLV ¹

Copy Protection	HDCP; Macrovision
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Certificates	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
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Protocols	RTSP (VoD), DHCP, NTP, IGMPv2/v3; RTP
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Hardware Options	HDD (250 GB standard); WLAN (802.11b/g/n); Smart Card Reader Dual Common Interface
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Software Options

Middleware/Application	Myrio (Nokia Siemens Networks); Dreampark; Zappware; others on request
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DRM/CA	Verimatrix; others on request
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Misc	Opera Browser™; Skelmir JVM; UpnP player; Universal Media Framework; Software Update Server; Software Development Kit for C/C++ API or JavaScript API
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Accessories	Remote Control, Ethernet Cable; SCART cable; HDMI cable; Audio L/R cable (2 x RCA) Audio/Video cable (3 x RCA)
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Scope of delivery	SceneGate 8800 STB; Power Supply (12V/15W); Manual (English); selected accessories
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Customization Options	Customer specific Remote Control; Customer Logos on RC and Front Panel; Labeling and Packaging; Cables; Boot and Splashscreen
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