

SceneGate 8100

High Definition DVB/IPTV Hybrid STB

Set-top Box



The SceneGate 8100 is a hybrid DVB/IPTV STB offering unique high definition (HD) decoding and picture quality. The STB 8100 is the ideal living room STB for hybrid DVB/IPTV scenarios combining on-demand and interactive services with conventional DVB programmes. An external eSATA interface allows to introduce recording functionalities at any time.

The SceneGate 8100 provides the most important interfaces and HD 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 offered at the same time.

- **Dual DVB-T/C Tuner**
- **Video Display 1080p**
- **HDMI 1.3 with HDCP**
- **Flexible Software API**
- **EU CoC Stand-by Mode**

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 DLNA based media sharing is available for applications to allow in-home streaming or multi-room concepts.

On the hardware side, options for a 12 digit VFD display, Smart Card and an eSATA interface are available complementing the possible software feature richness.

With its contemporary design the SceneGate 8100 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 DDR2-800MHz
Flash memory	128 MB NAND, 2 MB NOR
Operating system	Linux® 2.6

Physical Characteristics

DVB	Dual DVB-T/C Tuner with RF pass through
Data interfaces	2 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 S/PDIF optical
Video interface	1 x HDMI 1.3; 1 x SCART
LED indicators	Power on/standby; 3x LED IR, CON, MOD (without optional display only)
Buttons	Power On/Off (rear); Standby (illuminated, front)
Dimensions (BxTxH)	250 mm x 135 mm x 40 mm
Power Consumption	<12 W (Standby <1 W)
Weight	~0.8 kg (depending on selected options)

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 , WMA ¹ , DTS 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; Rovi Analogue Copy Protection

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

Protocols RTSP (VoD), DHCP, NTP, IGMPv2/v3, RTP, HTTP(S), UDP, TCP

Hardware Options Alphanumeric (VFD) 12 characters; Smart Card Reader

Software Options

Middleware/Application Nokia Siemens Networks - Myrio; Dreampark - Dreamgallery; Zappware -
iView; Tara Systems - TVolution; Others on request

DRM/CA Verimatrix, others on request

Misc Opera Browser™; Ekioh UI Engine; Skelmir JVM; Media Player (DLNA
based); Universal Media Framework; Software Update Server; Cisco VQE
(RET); Software Development Kit for C/C++ API or JavaScript API

Accessories Remote Control;
Ethernet Cable; SCART cable; HDMI cable;
Audio L/R cable (2 x RCA) Audio/Video cable (3 x RCA)

Scope of delivery SceneGate 8100 STB; Power Supply (12V/1.5A); Manual (English);
selected accessories

Customization Options Remote Control; Customer Logos on RC and Front Panel; Labeling and
Packaging; Cables; Boot and Splashscreen

* optionally available on request

¹ optionally available on request; requires additional license