

SET TOP BOX FS600

TelseyWaves IP STB FS600 is Telsey's new, high performing and flexible IP STB that enables Service Providers to continuously offer distinctive and valuable entertainment services. Telsey's new generation of IP STBs support High Definition TV, MPEG4 and PVR capabilities - all functionalities that differentiate the broadband offer from the tradition analog TV.

The IP STB FS600 family is based on cutting edge Single Chip Technology that provides cost effective solutions while granting the highest performance required for High Definition and Low Bit Rate LBR codec.

KEY FEATURES

- >> High Definition TV
- >> MPEG4 (H264)
- >> PVR
- >> Hybrid DVB-T/C
- >> Self Installing Tools
- >> SW Development Kit
- >> Multistream Support
- >> Remotely manageable and upgradable through integrated TR069 and DHCP Systems

BENEFITS

- >> High Definition TV is key factor of success in the distribution of video services. IP STB FS600, with its single chip technology, enables customers to enjoy a superior viewing experience.
- >> Telecommunication Operators are migrating to MPEG4, the new LBR codec, for its higher compression and increased video streams. With MPEG4, existing ADSL networks can deliver to end users more than one video stream, both in Standard and High Definition.
- >> PVR enables end users to have complete control of when, how and what they watch. They can now enjoy features like Time Shifting TV, Pause, Rewind, Fast Forward, Recording and simultaneous on-screen display of more than 1 program
- >> Hybrid DVB-T/C model allows the seamless integration of video channels received through IP networks, digital terrestrial and cable television.
- >> Self Installing Tool is an unique feature that allows the operator to cut installation costs. Caren, the embedded digital assistant devoted to customer's self-service installation, provides a guided STB installation procedure by means of a human-like interface, while at the same time testing automatically if the installation has been properly done.
- >> With SDK the STB is promptly integrated within different platforms and middleware.
- >> IP STB FS600 can handle up to 3 different transport streams from different sources to be merged and processed concurrently. Simultaneous on-screen display of three programs, received either from DVB-Television or DVB-C or IP-Television or programs previously stored in your PVR, is now possible.
- >> Enables easy and quick mass deployment



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TECHNICAL HIGHLIGHTS

SYSTEM

- > 300Mhz MIPS processor. High performance, low power, 32-bit MIPS RISC core
- > 128-256 MB RAM [option 512MB is available]
- > 32-64 MB Flash
- > Linux 2.4 Operating System
- > NDS Certified
- > Alcatel OMP Certified
- > SoC MSTV approved

INTERFACES

- > Scart 1: RGB, CVBS, Audio, S-Video, TV-VCR bypass
- > Scart 2: RGB, CVBS, Audio, TV-VCR bypass
- > Ethernet: 10/100 BASE TX - RJ 45
- > Dual RCA for analog stereo audio
- > S/PDIF digital audio
- > RJ 11 [Optional]
- > USB v 2.0: 2 connectors
- > DVB-T: ANT IN, RF OUT, EN 300 744 Ed. 1.4.1
- > DVB-C: ETS 300 429 for DVB-C Application, Cenelec EN55013 EN55020
- > HDMI
- > 5 Leds - SW Programmable
- > Application Buttons

VIDEO STREAMING

- > MPEG-1, MPEG-2
- > MPEG-4, MPEG-4.2
- > MPEG-4.10 [H.264]
- > WMV9 ASF or AVI files, VC-1

GRAPHICS

- > Picture in Picture capabilities, Video Scaling, Alpha Blending
- > Teletext, Teletext subtitling, DVB Subtitling, VBI insertion
- > 2D graphics accelerator, 2 graphics planes and cursor plane
- > Standard Definition display format: 720x576 pixel 25Hz resolution [full PAL]
- > High Definition display format: 1080i, 720p, 480p/576p, 480i/576i

AUDIO

- > MPEG-1, Layers 1 and 2
- > MPEG-2, Layers 1 and 2
- > MP3 [MPEG-1, audio layer 3]
- > DOLB DIGITAL 5.1
- > Framed within S/PDIF output 5+1 channels
- > WMA
- > MPEG 4 AAC
- > High Quality Audio Profile
- > ISMA Profile 0 e 1
- > High Efficiency Level 2 Profile
- > ETSI TR 102 005
- > MPEG 4 AAC+

IP STACK

- > IP/VIDEO Suite Unicast:
- > HTTP Streaming TCP
- > RTSP/UDP/RTP
- > IP Video Suite Multicast:
- > IGMP v2
- > SPTS with MPEG-2 PAT, PMT tables
- > Program Stream [Video and Audio PES only]
- > IP Services
- > TFTP
- > FTP
- > LDAP4

PVR

- > Internal Hard Disk - IDE Connector

SMART CARD READER

- > ISO 7810 and ISO 7816 compatible

SECURITY-CONTENT PROTECTION

- > Macrovision Secure Sockets Layer SSL capability. Compliant with NDS HW requirements

MANAGEMENT

- > DHCP Client [RFC 2132] - SNMP - TR069

ACCESSORIES

- > Infrared keyboard and remote control

ENVIRONMENTAL CONDITIONS

- > Operational 0 to +45°C [5% - 85% Humidity]
- > Storage -25 to +70°C [5% - 95% Humidity]

CE MARKING

- > EN 60950, EN55022, EN55024 compliant

Disclaimer

All statements, technical information and recommendations contained in this documentation have been carefully checked for reliability; however no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.