

Interface presentation

Product function



Business Terms:

SPECIFICATION

General Features

Targeted for High Definition DVB-S2 set top box solution
3.3V/1.5V/1.8V/1.1V Power supply
Power down control
Power saving mode for every module
Dual high performance Sunplus CPU up to 600MHz
Up to 24 language options

CPU Related Features

Sunplus 1506TV/GX6605S
Optimized 5 stage pipeline
Internal operating frequency up to 609MHz
Performance up to 730 DMPIS (1.2 DMPIS/MHz)
Supports non-blocking load operation
Built-in Audio HW accelerator

Memory and Interfaces

16-bit DDR2/DDR3 DRAM interface
Dram frequency up 1333 Mbps
DDR density can be 64M bytes, 128M bytes, 256M bytes; 512M bytes
Supports DRAM size up to 512MB for LQFP128 Package
Support S-FLASH with different size: 4M bits, 8M bits, 16M bits, 32 Mbits and up to 128M bits
Supports S-Flash size up to 32MB

DVB-S2

Support Symbol Rate range:
DVBS: 67.5M
DVBS2 QPSK/8PSK/16APSK: 67.5M
DVBS2 32APSK: 54M
Supports Multiple Stream
Supports DVB-S2 QPSK/8PSK/16APSK/32APSK
Supports DVB-S2 pilot signal
Integrates digital timing
carrier recovery loop with wide capture range
Supports fast channel blind search
Low power standby mode
US, UK, EU, AU Plug options

Video Decoder

MPEG1/2
Maximum bit-rate up to 80 Mbps
Support HD resolution
Support 4:0:0 4:1:1 4:2:0 4:2:2 4:2:2T 4:4:4 JPEG
H264 MPEG4
ISO/IEC 14496-2 (MPEG4) compliant,
supports SP@L3 to ASP@L5
1X decode speed for 1920x1080 @ 30fps
Real Video, VC-1, AVS/AVS+

Audio Processing

MPEG-1/2 Layer I/II
AAC/HEAAC v1/v2
Dolby Digital (AC3) (optional)
Dolby Digital Plus(EAC3) (optional)
Mute, Fade and Volume control support

Display Engine

High quality scaling for both HD and SD outputs
Up to 32bit aRGB true color and CLUT graphic planes input

USB2.0

Supports Real Time Clock
Supports IR/KEY/CEC standby/resume
Supports System Deep Standby mode compliant with Euro Green Power Standard

HDMI Interface

Supports high-definition video
with scalable bandwidth: 0.25-1.48 Giga-pixels/ sec
2-channel PCM, and compressed (encoded) audio
data(AC3, DD, DD+ and MPEG Audio) using IEC 61937 format
Powerdown modes
Supports 3D video format

Accessories

1* DTH DVB-S2 1* User Manual 1* Remote Control 1* AV Cable