

AG1518S

16/24x FTA Tuner to IP Gateway



AG 1518S is a high-density, modular and FTA/BISS decryption professional TS processor equipped with 16/24 independent tuners.

AG 1518S DVB-S/S2/S2X Tuner to IP Gateway is a head-end interface conversion device and Routes Any or All Transport Streams via IP Output Port by SPTS/MPTS channels, and support optional two different tuners input in one device.

AG 1518S enables an all-IP headend architecture, resulting in a more scalable and lower-cost transition to IP-based services. This is an ideal solution for environments where you have a large number of air Channel, and used largely to Medium-Scale IPTV, Hotel, entertainment facilities, or any kinds of Source signals convert to Cable TV broadcast environments in limited budget severely.

Features

- Support 16/24 FTA DVB- S/S2/S2X input, 1 ASI input, 1USB input
- Support BISS descrambling
- Support DisEqc function
- 16/24 MPTS+2 MPTS(ASI and USB port) or 1024 SPTS output (MPTS and SPTS output switchable)
- 2 GE output (IP address and port number of GE1 and GE2 are different), up to 850Mbps---SPTS
- 2 independent GE output port, GE1 (512 SPTS) + GE2 (512 SPTS) --- (total 18/26 MPTS)
- Support PID filtering, re-mapping (Only for SPTS output)
- Support "Null PKT Filter" function (Only for MPTS output)
- Support Web operation
- Easy-to-Use System Management via Web-GUI
- Breakthrough price and Quality
- For professional 24/7 Non stop operation
- High density, compact 1-RU platform saves rack space and reduces operating cost

Main Application

- Converting the content of 16/24*FTA satellite transponders to IP streaming
- Upgrade all your analog Head-ends to digital TV Solution
- Enterprise, Hotel, campus, hospital, Public Place
- Huge FTA Channels to collect in Limited budget

TECHNICAL SPECIFICATIONS

Input Interfaces

16/24 FTA Tuners DVB-S/S2/S2X In,
F-female type Connector
1 DVB-ASI, 1 USB
75 Ω , BNC type, 188Bytes, ≅ 150Mbps
ASI bitrate 200Mbit/s
Output Level 800mVpp Nominal

DVB-S

Input Frequency 950-2150Mhz
Symbol rate 0.5~45Mbauds
Signal Strength - 65 ~ -25dBm
FEC Demodulation 1/2, 2/3, 3/4, 5/6, 7/8(DVB-S QPSK)
Demodulation Mode QPSK
Max input bitrate ≤125 Mbps

DVB-S2

Input Frequency 950-2150Mhz
Symbol rate QPSK/8PSK /16APSK :0.5~45 Msps
32APSK: 0.5~34Msps;
FEC Demodulation QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
Demodulation Mode QPSK, 8PSK, 16APSK, 32APSK
Max input bitrate ≤125 Mbps

DVB-S2X

Input Frequency 950-2150Mhz
Symbol rate QPSK/8PSK /16APSK :0.5~45 Msps
8APSK: 0.5~40Msps
32APSK: 0.5~34Msps;
FEC Demodulation QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
8APSK: 5/9-L, 26/45-L
16APSK:2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L,
26/45, 3/5, 3/5-L, 28/45, 23/36 , 2/3-L, 25/36, 13/18, 7/9,
77/90
32APSK: 3/4, 4/5, 5/6, 8/9, 9/10, 2/3-L, 32/45, 11/15, 7/9
Demodulation Mode QPSK, 8PSK, 8APSK, 16APSK, 32APSK
Max input bitrate ≤125 Mbps

MPEG-TS Processing

IP mode MPTS, SPTS
Note:When Switch success, Please reboot device by hand
Maximum PID Remapping 180 input per channel
PID remapping by automatically or manually)
PSI/SI(Valid in SPTS) Program Name, Program Number, Service Type,
Service Provider, PMT/PCR/Video/Audio PID
Note:In MPTS mode.Disable Configuration

Stream output

Dual GbE interfaces, RJ45 Port, Auto-negotiation
2 Separate DVB-ASI out
GbE1, GbE2, ≅ 850Mbps Per Port
MPEG-TS Over UDP and RTP/RTSP
7x188 Bytes per TS packet
Multicast/Unicast

MPTS mode

Filter Null Packet
Each IP out Configurable mirroring per Tuner
Numbers of MPTS:18/26 MPTS IP output
(for Tuner/ASI/USB pass-through)
over UDP and RTP/RTSP protocol through GE1
and GE2 port, Unicast and Multicast

SPTS Mode

1024 SPTS IP output over UDP and RTP/RTSP
protocol through GE1 and GE2 port
(IP address and port number of GE1 and GE2
are different) , Unicast and Multicast
Numbers of SPTS: Up to 1024

BISS descrambling

BISS-1 and BISS-E (Up to 850Mbps)
descramble individual program

System function

Web Network management
English language
Ethernet software upgrade
Save/Restore/Facture Set/Backup/Load Setting

Environment

Dimensions(HxWxD) 482mm×230mm×44mm
Weight 2.5Kg
Temperature 0~45℃(operating); -20~80℃(Storage)
Power Voltage 100~240VAC, 50/60Hz
Power Consumption 20W

Related Products

Model	Tuner Model				Tuner Number	Tuner LOOP	ASI IN	ASI OUT	USB	LCD
	DVB-S/S2/S2X	DVB-S/S2	DVB-C/T/T2/ ISDB-T	ATSC						
AG 1518Plus	√	√	√	√	16	√	2	×	×	×
AG 1518S	√	×	×	×	16/24	×	1	2	1	×
AG 1518Pro	√	×	√	×	16/24	√	2	2	1	√