

SFT3508S/I IPTV Gateway Server



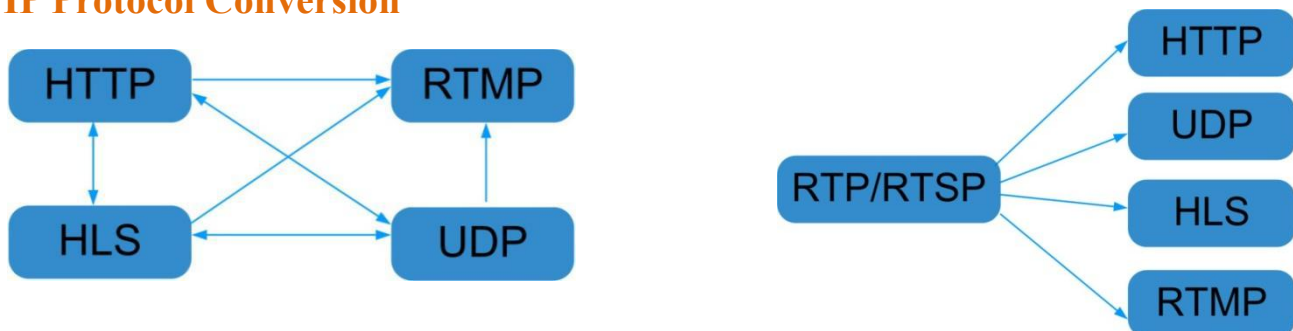
Outline

SOFTTEL SFT3508S (SFT3508S-M/SFT3508I) IPTV Gateway Server is the newest device which combined with IP Gateway and IPTV server in one unit. It is used for the protocol conversion scenarios and streaming media distribution scenarios. It can convert the broadcast network IP stream over HTTP, UDP, RTP, RTSP and HLS and TS file into HTTP, UDP, HLS and RTMP protocol. In addition, it integrates IPTV system and users can upload VOD source on it with huge memory. In conclusion, this full function device makes it ideal for small CATV head end system, especial in hotel TV system...

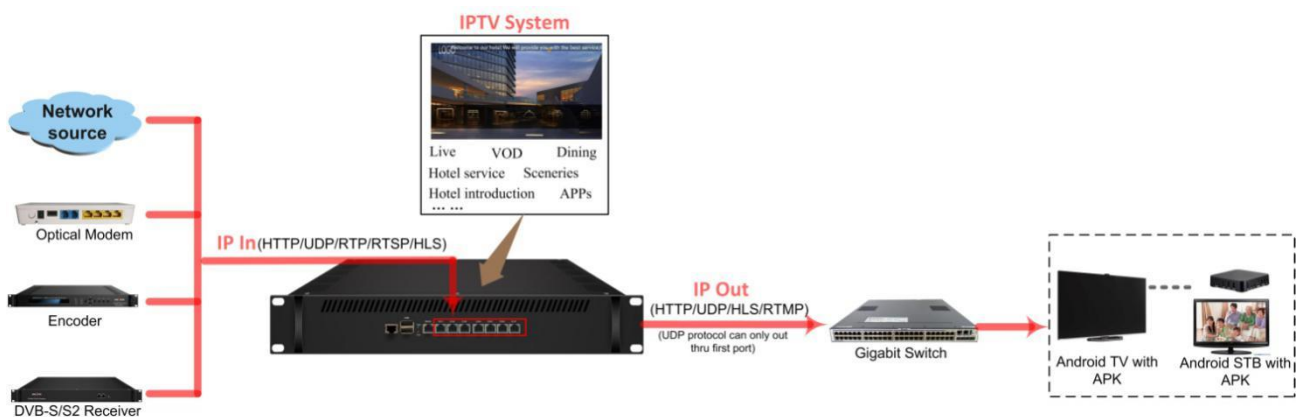
Key Features

- IP Gateway + IPTV server in one device
- Manage gateway and IPTV server separately
- HTTP, UDP, RTP, RTSP and HLS in→HTTP, UDP, HLS and RTMP out
- IPTV Functions: Live channel, VOD, Hotel intro, Dining, Hotel service, Scenery intro, APPS, and so on
- Adding scrolling caption, welcome words, pictures, advertisement, video, music in main interface
- TS files uploading through Web management
- IP anti-jitter function
- Downloading SOFTEL IPTV APK directly from this device
- Support program playing with APK downloaded android STB and TV, maximum 150 terminals
- Control via web-based NMS management through DATA port

IP Protocol Conversion



General Principle Chart



Specifications

| | | | | |
|---|--|---|------------|----------|
| IP Input | DATA CH 1-7(1000M) ports: IP input over HTTP, UDP(SPTS),RTP(SPTS), RTSP (over UDP, payload: mpeg TS) and HLS | | | |
| | TS files uploading through Web management | | | |
| IP output | First Data port (1000M): IP out over HTTP (Unicast), UDP(SPTS, Multicast) HLS and RTMP (Program source should be H.264 and AAC encoding) | | | |
| | DATA CH 1-7(1000M) ports: IP out over HTTP/HLS/RTMP (Unicast) | | | |
| System | | SFT3508S | SFT3508S-M | SFT3508I |
| | Memory | 4G | 4G | 8G |
| | CPU | 1037 | I7 | I7 |
| | Solid-State Disk(SSD) | 120G | 120G | 120G |
| | Mechanical Hard Disk | 4T | 4T | 4T |
| | Channel switching time with SOFTEL’ STB: HTTP (1-3s), HLS (0.4-0.7s) | | | |
| | Play programs with APK downloaded android STB and TV, maximum 150 terminals(See details in below Test data for reference) | | | |
| | About 80 HD/SD programs (Bitrate:2Mbps) When HTTP/RTP/RTSP/HLS is converted into UDP (Multicast),the actual application shall prevail, and suggest maximum 80% CPU utilization | | | |
| | IPTV system function | support Live channel, VOD, Hotel introduction, Dining, Hotel service, APPS, scenery introduction and so on (Please install SOFTEL IPTV APK) | | |
| | IPTV system main interface | support adding scrolling caption, welcome words, pictures, advertisement, video , music (Please install SOFTEL IPTV APK) | | |
| web-based NMS management thru DATA port | | | | |
| General | Demission | 482.6mm×328mm×88mm (WxLxH) | | |
| | Temperature | 0~45℃(operation), -20~80℃(storage) | | |
| | Power Supply | AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz | | |

Test data for reference:

| Protocol conversion | Programs | Bitrate | Terminals | | | CPU utilization |
|---------------------------|----------|---------|-----------|------------|----------|-----------------|
| | | | SFT3508S | SFT3508S-M | SFT3508I | |
| HTTP/RTP/R TSP/HLS to UDP | 80 | 2M | --- | --- | --- | 55% |
| HTTP to HTTP | 30 | 2M | 150 | 300 | 600 | 80% |
| | 50 | 2M | 80 | 160 | 320 | 80% |
| HTTP to HLS | 50 | 2M | 200 | 400 | 800 | 46% |
| UDP to HLS | 50 | 2M | 200 | 400 | 800 | 50% |

| | | | | | | |
|-------------|----|----|-----|-----|-----|-----|
| | 80 | 2M | 150 | 300 | 600 | 72% |
| UDP to HTTP | 50 | 2M | 120 | 240 | 480 | 50% |

Order Guide:

| | Feature | Memory | CPU | Solid-State Disk(SSD) | Mechanical Hard Disk |
|-------------------|--------------------------|--------|------|-----------------------|----------------------|
| SFT3508F | Gateway | 4G | 1037 | 16G(60G optional) | × |
| SFT3508F-M | Gateway | 4G | i7 | 16G(60G optional) | × |
| SFT3508C | Gateway +Modulator | 4G | 1037 | 16G | × |
| SFT3508S | Gateway + IPTV Server | 4G | 1037 | 120G | 4T |
| SFT3508S-M | Gateway+IPTV server | 4G | i7 | 120G | 4T |
| SFT3508I | Gateway + IPTV Server | 8G | i7 | 120G | 4T |