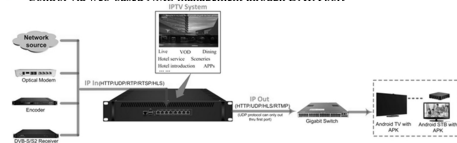


HOP28116- IPTV Gateway Server



**Features:**

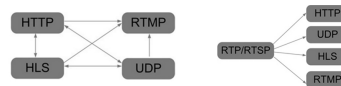
- IP Gateway + IPTV server in one device
- Manage gateway and IPTV server separately
- HTTP, UDP, RTP, RTSP and HLS in→HTTP, UDP, HLS and RTMP out
- IPTV Functions: Live channel, VOD, Hotel intro, Dining, Hotel service, Scenery intro, APPS, and so on
- Adding scrolling caption, welcome words, pictures, advertisement, video, music in main interface
- TS files uploading through Web management
- IP anti-jitter function
- Downloading Houser 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



**Product Specifications:**

• **Model : HOP28116**

HOP28116 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



<b>IP input</b>	DATA CH 1~1000M] ports: IP input over HTTP, UDP(SPTS),RTSP(SPTS), RTSP (over UDP, payload mpag TS) and HLS TS files uploading through Web management			
	First Data port (1000M): IP out over HTTP (Unicast, UDP(SPTS, Multicast) HLS and RTMP (Program source should be H.264 and AAC, DATA CH 1~1000M] ports: IP out over HTTP(HLS,RTMP (Unicast)			
<b>IP output</b>	Memory	A	B	C
	CPU	1037	15	17
	Solid-State Disk(SSD)	120G	120G	120G
	Mechanical Hard Disk	4T	4T	4T
	Classed switching time with HOUPER STB: HTTP (1-3s), HLS (0.4-0.7s)			
<b>System</b>	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 25Mbps) when HTTP/RTSP/RTSP/HLS is converted into UDP (Multicast); the actual application shall IPTV system support Live channel, VOD, Hotel introduction, Dining, Hotel service, APPS, scenery introduction and so on (Please function install Houser IPTV APK)			
	IPTV system main support adding scrolling caption, welcome words, pictures, advertisement, video , music (Please install Houser IPTV interface APK)			
	web-based NMS management files DATA port			
<b>General</b>	Dimension	452 (mm) × 328mm × 98mm (W×H×D)		
	Temperature	0~45°C (operation), -20~40°C (storage)		
Power supply: AC 100V/110V, 50/60Hz or AC 220V/110V, 50/60Hz				

Protocol conversion	Programs	Bitrate	Terminals			CPU utilization
			A	B	C	
HTTP/RTSP/RTSP/HLS to UDP	80	2M	---	---	---	55%
	30	2M	150	300	600	80%
HTTP to HTTP	50	2M	80	160	320	80%
	50	2M	200	400	800	46%
HTTP to HLS	50	2M	200	400	800	50%
	80	2M	150	300	600	72%
UDP to HLS	50	2M	120	240	480	50%
	50	2M	120	240	480	50%

	Feature	Memory	CPU	Solid-State Disk(SSD)	Mechanical Hard Disk
1	Gateway	4G	1037	16G(60G optional)	×
2	Gateway	4G	15	16G(60G optional)	×
3	Gateway +Mechanizer	4G	1037	16G	×
4	Gateway + IPTV Server	4G	1037	120G	4T
5	Gateway+IPTV server	4G	15	120G	4T
6	Gateway + IPTV Server	8G	17	120G	4T