

IPTV HOTEL SYSTEM

ระบบไอพีทีวีสำหรับโรงแรมที่ประหยัดและมีมืออาชีพ

- ✓ คุณภาพระดับ HD/SD จากรายการถ่ายทอดสด และวิดีโอ
- ✓ ระบบโฆษณา เพื่อเพิ่มยอดขายและรายได้ให้กับโรงแรม
- ✓ สามารถปรับแต่งให้เข้ากับ โรงแรม เช่น โทนสี และโลโก้
- ✓ รองรับการใช้งานหลายภาษา
- ✓ เพิ่มประสิทธิภาพจากระบบทีวีแบบเก่า
- ✓ ไม่มีค่าเช่ารายเดือน
- ✓ ใช้งานง่าย เป็นมิตรกับผู้ใช้งาน ทั้งหน้าบ้านและหลังบ้าน

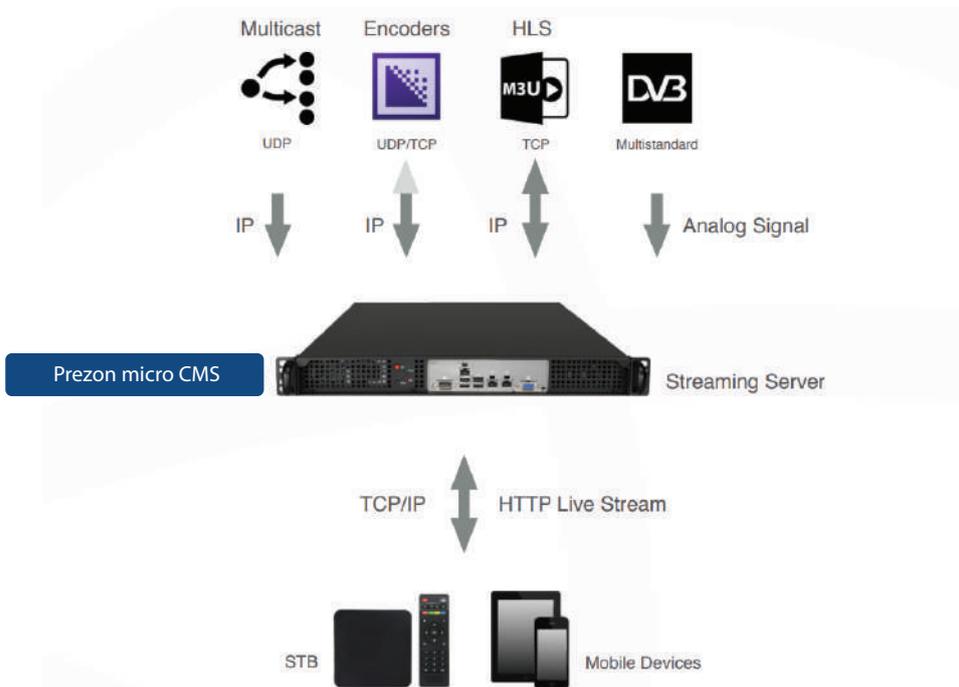


Introduction

Prezon technology IPTV system is intended to use in closed areas such as university campuses, hospitals, hotels, residences, apartments or any kind of premises. Although it can stream to L3 networks or to internet, Prezon is intended to provide services to local networks and it is not intended to use on any kind of subscription based IPTV services

Solution

Prezon MicroCMS is a single platform to acquire streams from many resources and to provide content to end-points including configuration besides online and offline streams.



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Configuration: Theme #1



Configuration: Theme #2



Configuration: Customised



Content: Live TV



Content: VOD

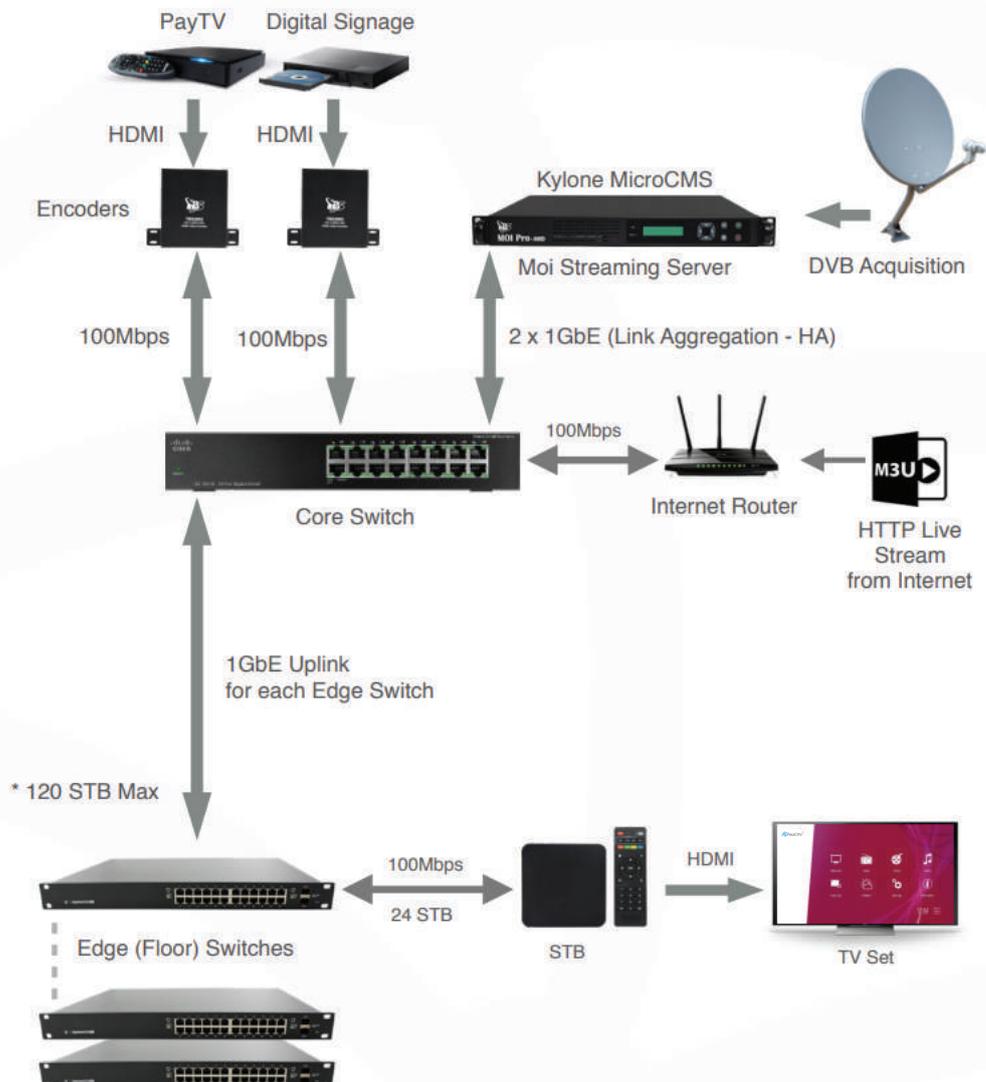


Content: Time and weather

Basic Deployment Example

* Up to 100 STBs for a single Edge (Floor) switch

* Up to 120 STBs for a single Moi-Pro-AMD



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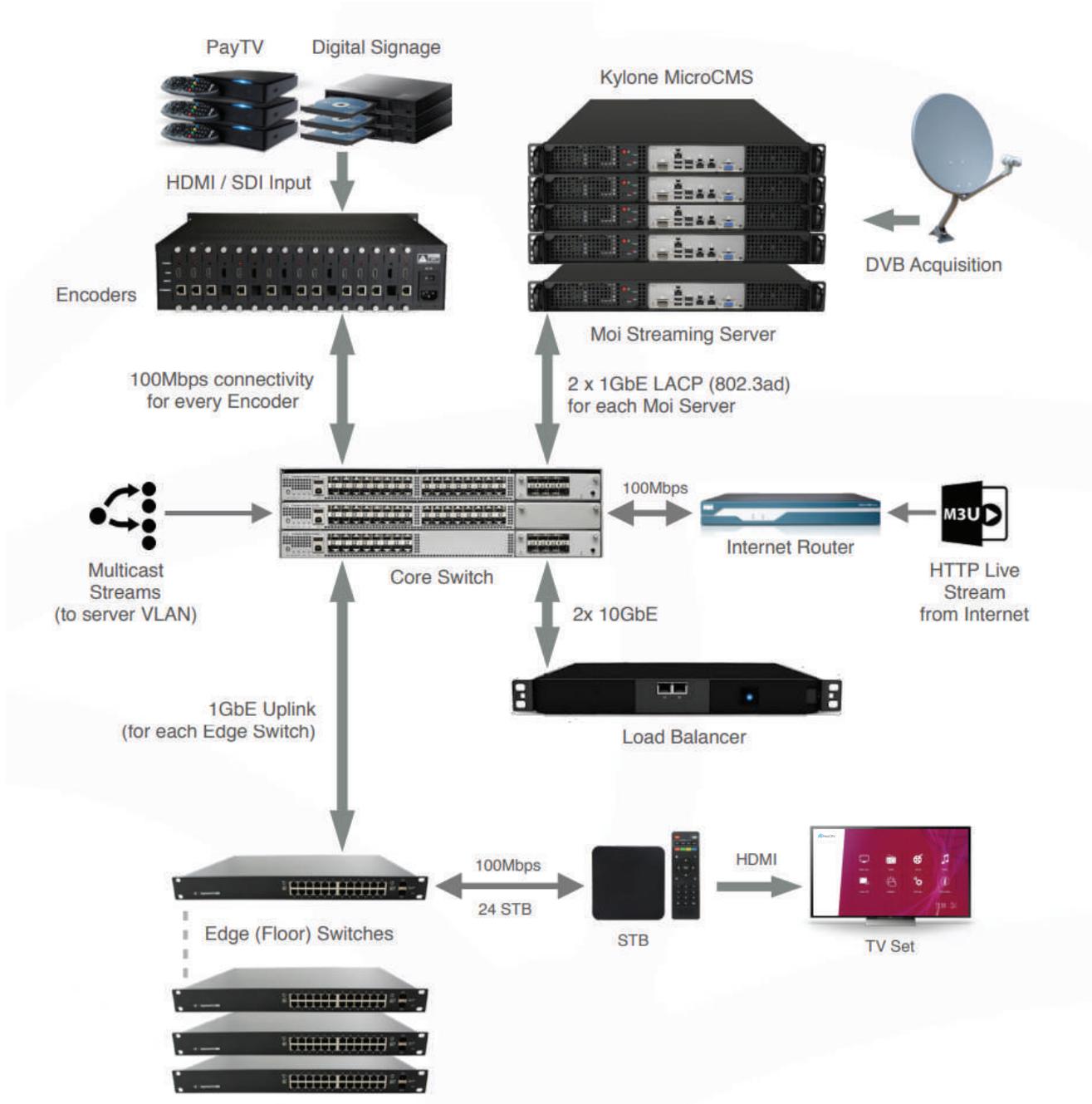


Advanced Deployment Example: Ethernet

Up to 100 STBs for a single Edge (Floor) switch

* Up to 500 STBs for a single Moi-V

* This deployment can scale up to 2.500 concurrent end-points with 4Mbps stream.



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Success Case - Economic IPTV solution

Economic, concise system integration is suitable for coffee shop, restaurant or vehicle carrier, especially small system integrators. It is built up with Prezon industrial media server, network switch/wifi switch ect.



1.1 A reliable IPTV Panel for re-distributing IPTV channels, video and movie content

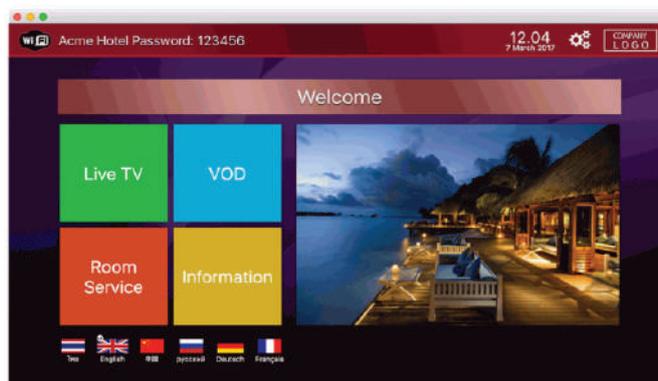
Main Features:

- HD/SD quality from Live TV and VOD source
- Advertisement System for additional income
- Food and beverage order menu
- Bookings Management System
- Consumption View Dashboard
- Weather Broadcast



1.2 Guest Internet Services Management

With customizable integration of Hotel IPTV solution and Hotel property Management system (PMS), you could cover all needs of all kinds of your guests. Both cable and wireless internet distribution in-room and on-premises supported, and support with multi-language

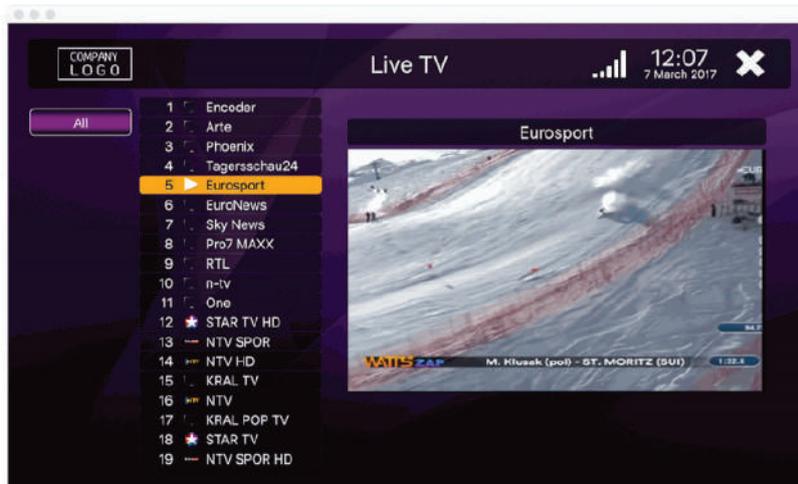


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1.3 High-Definition Live TV, latest entertainment options

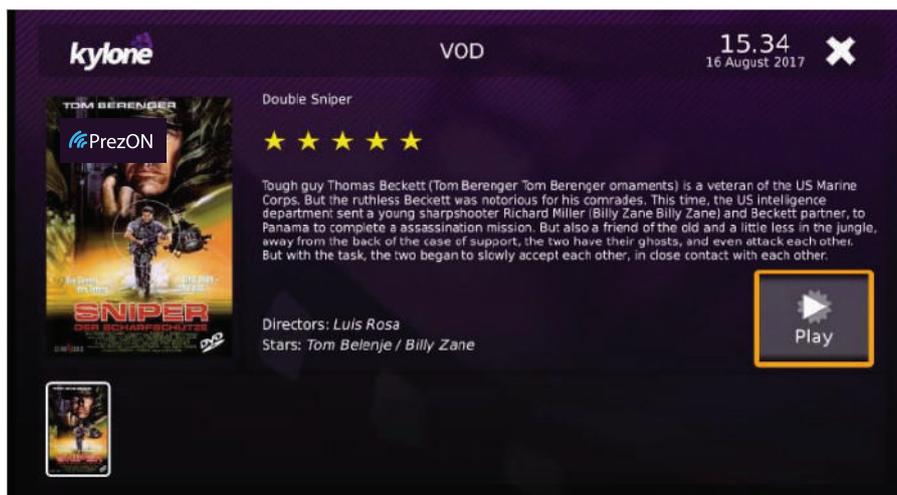
Easy to set-up turnkey head-end and room premises equipment for live TV integrated with all premises related services and entertainment options. TBS IPTV system use PrezON IPTV Panel, it supports input streaming protocols of HTTP, RTMP, RTSP, RTP, UDP, and MMS. It supports MPEG-TS output over HTTP, Multicast, forwarding the original input stream, or stream in HLS (HTTP Live Streaming).



1.4 VOD - Video on Demand

Prezon IPTV fully supports VOD with FAST FORWARD feature, where you can upload your movies and other video materials to the streamers or other remote video location. All provides you awesome live TV and multimedia experience.

Multiple display modes support.



1.5 Customized hotel value added service

Hotel can easily add or remove its products and services - from wakeup calls, weather broadcast, through massages, Restaurant or tours reservations to taxi orders. Everything is managed by content management systems (CMS) and the result appears without any intermediary work on guests TV sets.

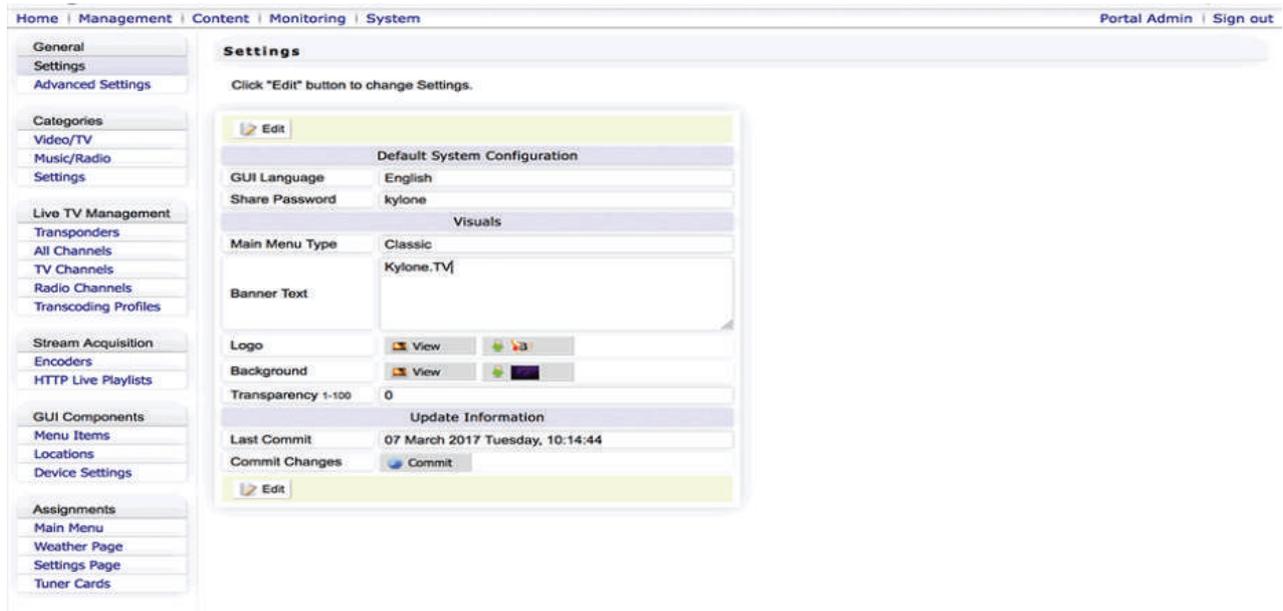


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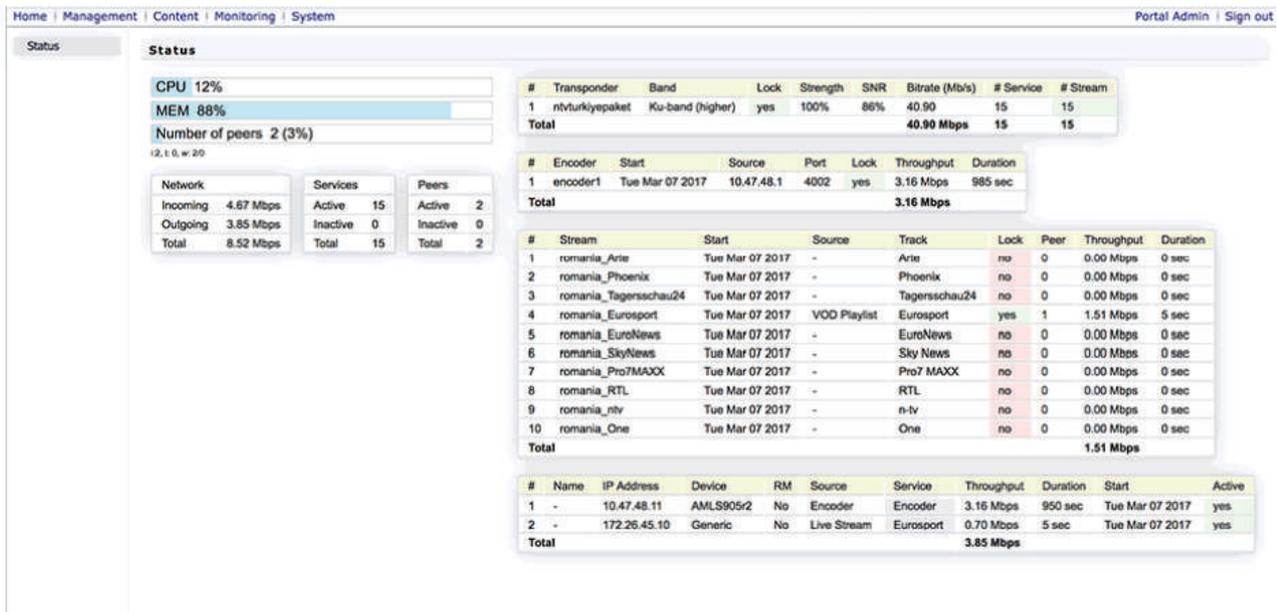
1.6 Load balancing for adding external servers

Prezon IPTV supports load balancing to add external servers for streaming unlimited channels, serve unlimited users. Customizable user interface Support to be branded the hotel's logo and colors – all the way to the menus, service and interactive messages



1.7 Hardware, Bandwidth and transponders Monitor

CPU usage, real network traffic and transponders' condition are monitored on dashboard for every streamer in system.



#	Transponder	Band	Lock	Strength	SNR	Bitrate (Mb/s)	# Service	# Stream
1	ntvurkiyepakat	Ku-band (higher)	yes	100%	86%	40.90	15	15
Total							40.90 Mbps	15

#	Encoder	Start	Source	Port	Lock	Throughput	Duration
1	encoder1	Tue Mar 07 2017	10.47.48.1	4002	yes	3.16 Mbps	985 sec
Total							3.16 Mbps

#	Stream	Start	Source	Track	Lock	Peer	Throughput	Duration
1	romania_Arie	Tue Mar 07 2017	-	Arie	no	0	0.00 Mbps	0 sec
2	romania_Phoenix	Tue Mar 07 2017	-	Phoenix	no	0	0.00 Mbps	0 sec
3	romania_Tagenschau24	Tue Mar 07 2017	-	Tagerschau24	no	0	0.00 Mbps	0 sec
4	romania_Eurosport	Tue Mar 07 2017	VOD Playlist	Eurosport	yes	1	1.51 Mbps	5 sec
5	romania_EuroNews	Tue Mar 07 2017	-	EuroNews	no	0	0.00 Mbps	0 sec
6	romania_SkyNews	Tue Mar 07 2017	-	Sky News	no	0	0.00 Mbps	0 sec
7	romania_Pro7MAXX	Tue Mar 07 2017	-	Pro7 MAXX	no	0	0.00 Mbps	0 sec
8	romania_RTL	Tue Mar 07 2017	-	RTL	no	0	0.00 Mbps	0 sec
9	romania_niv	Tue Mar 07 2017	-	n-iv	no	0	0.00 Mbps	0 sec
10	romania_One	Tue Mar 07 2017	-	One	no	0	0.00 Mbps	0 sec
Total							1.51 Mbps	

#	Name	IP Address	Device	RM	Source	Service	Throughput	Duration	Start	Active
1	-	10.47.48.11	AMLS905r2	No	Encoder	Encoder	3.16 Mbps	950 sec	Tue Mar 07 2017	yes
2	-	172.26.45.10	Generic	No	Live Stream	Eurosport	0.70 Mbps	5 sec	Tue Mar 07 2017	yes
Total							3.85 Mbps			

1.8 Smart phone & Pad APP

Prezon IPTV releases app for Android and IOS, customer could access on any devices.



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TBS2951 MOI Pro AMD IPTV streamer

MOI Pro – AMD is a new professional IPTV streaming server powered by AMD Embedded G-Series SoC, it can receive live TV signal using built-in TV tuners and stream the channels further through Ethernet to various client devices, such as PC, tablet PC, smartphone, and smartTV.

With AMD Embedded G-Series SoC inside, MOI Pro – AMD provides more possibilities to IPTV system integrators and TV service operators, it allows you to use not only Linux and Ubuntu, but also Windows. Open source software such as Kodi(XBMC), OpenPCTV and VDR are pre-installed to create a read-to-run platform



Key Features :

- Live SD/HD TV streaming
- Based on AMD Embedded G-Series SoC
- High-performance graphics processing
- Low power consumption
- Linux Open Source software support: Kodi(XBMC), OpenPCTV, VDR
- Supports up to 16 TV tuners (4 TV tuner PCIe cards) of different DVB standard
- Supports DASH (Desktop and Mobile Architecture for System Hardware) remote management

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Size	1U Chassis (430*320*46mm)
Processor	AMD® Embedded G-Series SoC (Quad Core, 2GHz)
Memory	4GB DDR3 1333
Graphics	Integrated AMD Radeon™ HD
APU	AMD® Embedded G-Series SoC
Ethernet	2x LAN Gbit / 100 Mbit / 10 Mbit,
Storage	1 x SATA 6.0 Gb/s
SSD	30G mSATA SSD
LPC	1 x LPC support TPM module
	2 x COM HEADER
FRONT PANEL	POWER SW
	RESET SW
	POWER LED
	HDD LED
Display Interface	1 x HDMI
	1 x VGA (The reserved connection)
USB	2 x USB 2.0
	2 x USB 3.0
Expansion Interface	1 x Full-Size Mini-PCle
	(w/USB, PCle x 1 Single)
SBC dimension	128 *104 mm
Operating Systems	Microsoft® Windows 8, Microsoft® Windows 7, Microsoft® Windows® 7/8 embedded Standard, Microsoft® Windows® 7 Embedded Compac Linux, Ubuntu,
DVB tuner card support	Up to 32 TV tuners (4 TV tuner PCle cards) Tvheadend, VDR, MuMuDVB, DVblast, szap-s2, dvbdate, dvbscan, dvbdstream, dvbsnoop, scan-s2, szap-s2,
Pre-installed software	tzap-t2, LIRC, telnet, ssh, ftp, samba

Which DVB tuner card to use?

MOI Pro AMD is compatible with most of TBS tuner cards, and supports connection with up to 4 DVB PCI Express tuner cards through the tuner bridge board, you could even choose four cards in different standard.

Products works with MOI Pro AMD:

2xTBS6904, 4x TBS6904, 2xTBS6991SE , 4x TBS6991SE , 2xTBS6909, 4xTBS6909, 2x TBS6205, 4xTBS6205, 2xTBS6290, 4xTBS6290, 2xTBS6904+2x TBS6205, 2xTBS6904+2xTBS6991SE, 2xTBS6909+2xTBS6904, 2xTBS6909+2xTBS6991SE, 2xTBS6909+2xTBS6205, 2xTBS6909+2xTBS6290, TBS6904+TBS6205, TBS6904+TBS6991SE, TBS6909+TBS6904, TBS6909+TBS6205, TBS6909+TBS6290, TBS6909+TBS6991SE



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TBS2956 MOI MINI PC AMD IPTV streamer

TBS2956 is a customizable, high performance embedded mini pc, TBS2956 features with AMD Embedded G-Series SoC and run Linux OS, the fanless chassis allows it to run in the most rugged environments, with 2 PCIe/PCI Expansions it allowed you to tailor applications you need. it is very suitable for some demanding of industries such as military, aerospace, heavy equipment, amusement parks and industrial automation.



Key Features :

- Based on AMD Embedded G-Series SoC
- Fanless chassis allows it to run in rugged environment
- High-performance graphics processing
- Low power consumption
- Windows & Linux Open Source software



Processor	AMD® Embedded G-Series SoC (Quad Core, 2GHz)
RMA	Support up to 8GB
Graphics	Integrated AMD Radeon™ HD
APU	AMD® Embedded G-Series SoC
Ethernet	2x LAN Gbit / 100 Mbit / 10 Mbit,
Storage	1 x SATA 6.0 Gb/s
SSD	30G mSATA SSD
RS232	2 x RS232
FRONT PANEL	POWER SW
	POWER LED
Display Interface	1 x HDMI
	1 x VGA (The reserved connection)
USB	4 x USB 2.0
	2x USB 3.0
Expansion Interface	2 x PCI-E
Operating Systems	Microsoft® Windows 10, Microsoft® Windows 7, Microsoft® Windows 8
	Microsoft® Windows® 7/8,10 embedded Standard, Microsoft® Windows® 7 Embedded Compact
	Linux, Ubuntu,
Operating Temperature	-25°C ~ 70°C
Humidity	10%~90% , non-condensing
Storage Temperature	-40°C ~ 85°C



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