MEDIA

ELTEX

ELTEX Enterprise is a leading Russian developer and manufacturer of telecommunication and network equipment

Android

OTT

1 000 000

SET-TOP BOXES

RUSSIA

ELTEX

LITHUANIA
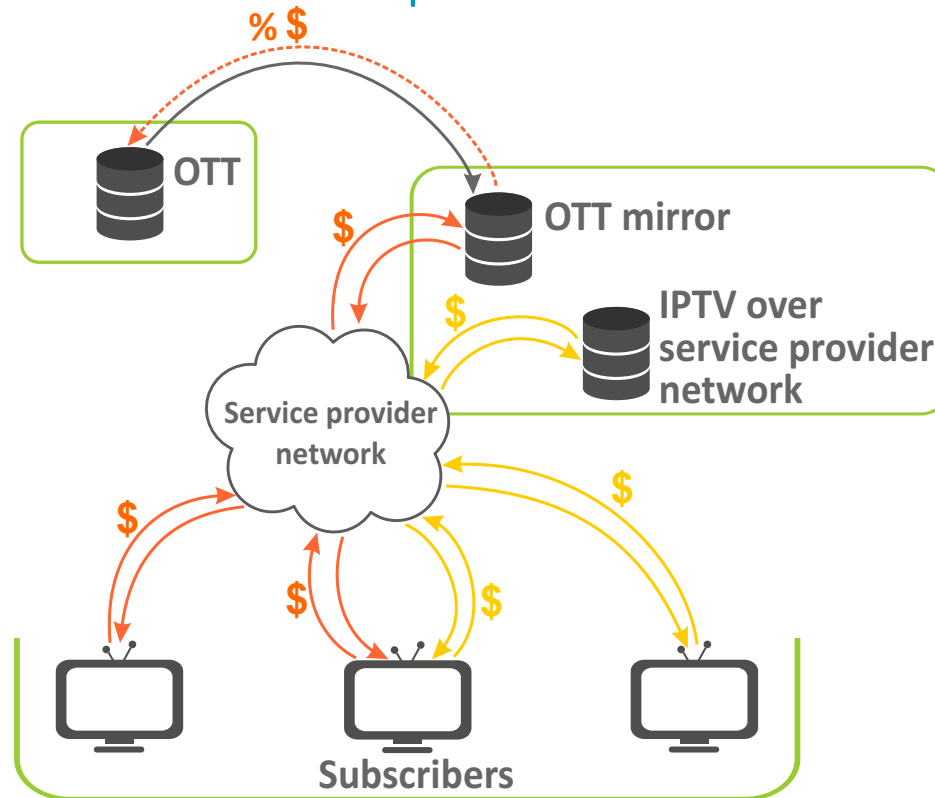BELARUS
POLAND

CZECH REP

KAZAKHSTAN

SPAIN

ARMENIA

more than
750 000
STB were installed in Russia

more than
500 000
STB were installed in Kazakhstan

IPTV service

The set-top boxes can interact with a service provider internal network as well as with OTT

% $

OTT

OTT mirror

IPTV over service provider network

Service provider network

$

$

$

$

$

$

Subscribers

✓ Interactivity and new services:

TV schedule | TV archive | online cinemas

✓ Advertisement

✓ Extension of target population

✓ Building client loyalty

PROFIT INCREASE

DIAGRAM OF SERVICE PROVISION

ACS-BOX

API NBI

ACS

Service provider network

MW¹　MW²　MW³

PEERS TV
СМОТРЁШКА
НАУКА · Связь
Многофункциональный оператор связи
SPB TV
media solutions

IPTV
service 1

OTT
service 2

OTT
service 3

online
cinemas

play
services

social
networks

Internet
surfing

TR-069

Full HD
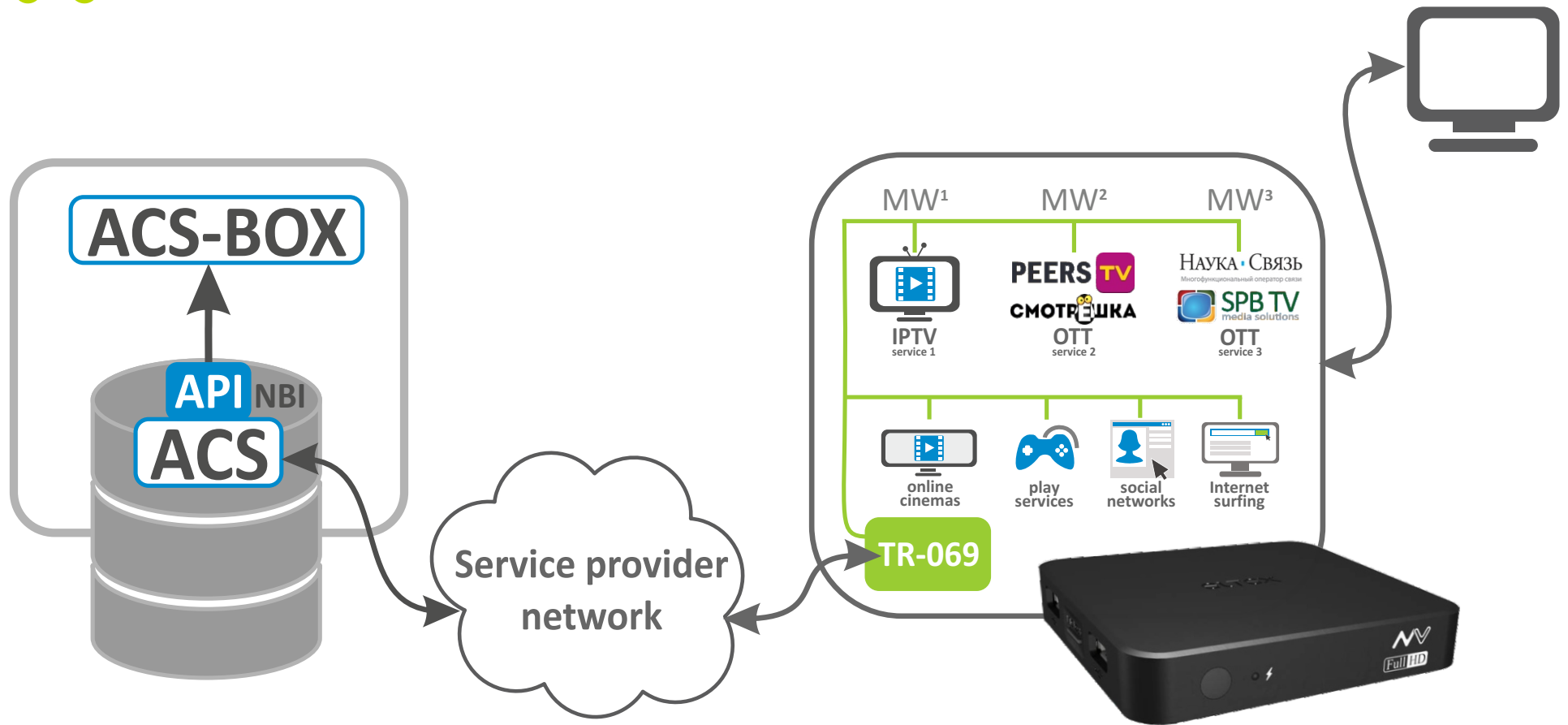
✓ All components under service provider control

✓ Seamless switching on other providers' services

✓ Complex solutions, which include offers from different OTT providers
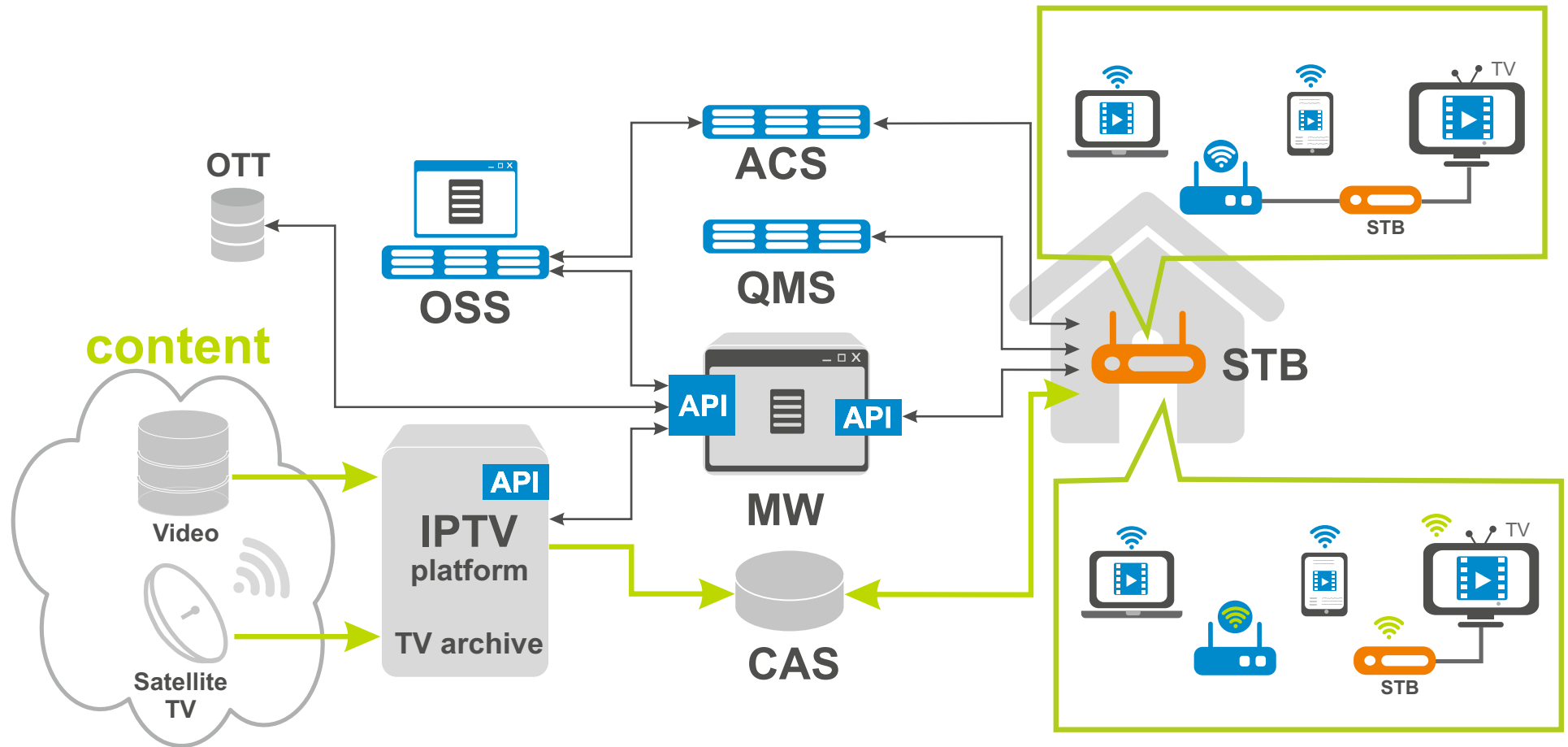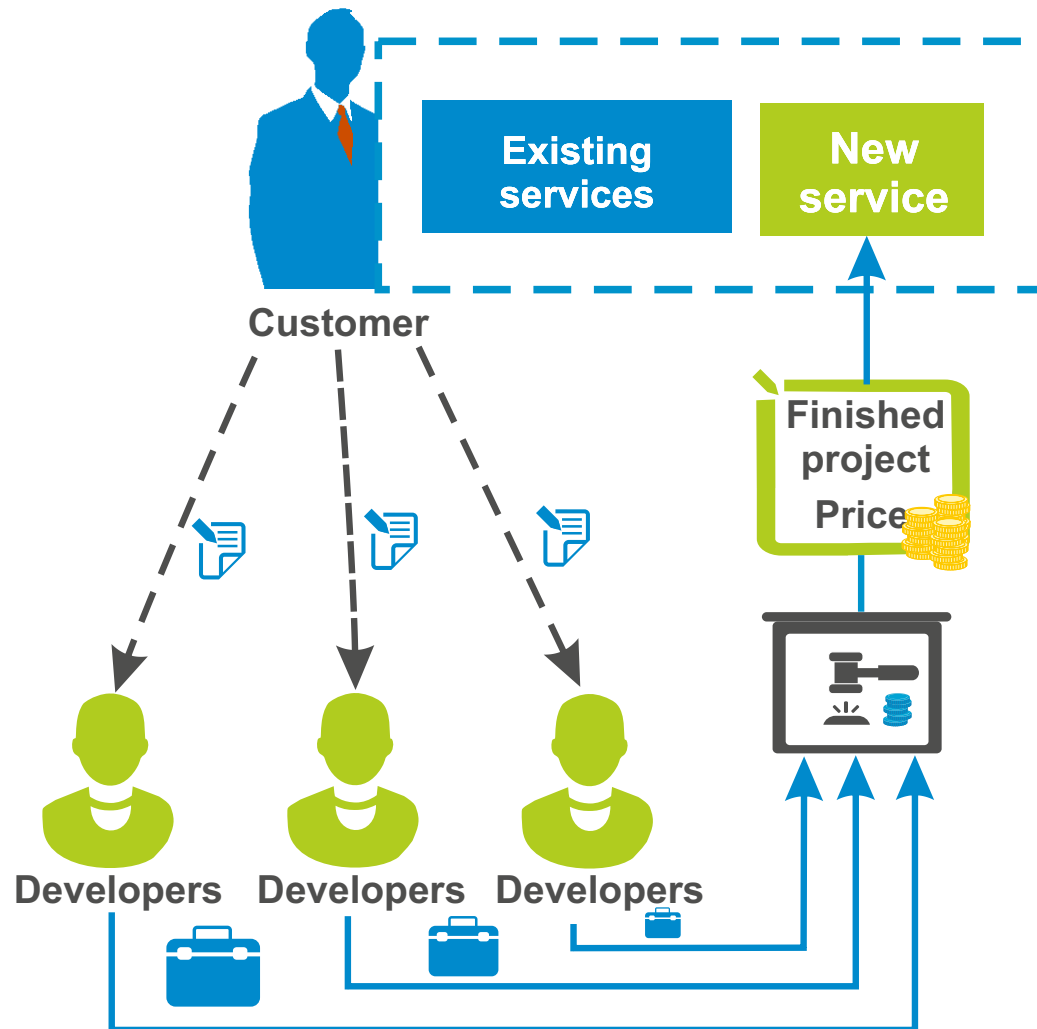
✓ Flexibility

✓ Easy switching between services

DIAGRAM OF SERVICE PROVISION

OTT

ACS

OSS

QMS

content

API

MW

API

API

STB

Video

IPTV
platform

API

TV archive

CAS

Satellite
TV

TV

STB

TV

STB

ELTEX

Why we choose Android

ADVANTAGES

Customer

Existing services

New service

Finished project
Price

Developers   Developers   Developers

- A large amount of development teams
- Open platform, API
- Advanced designing means
- Plenty of already functioning services, that can be adapted to STB
- Compatibility with various devices made by different manufacturers

IPTV Media players

NV-501/NV-501 Wac

Software	Android 4.4
Chipset	Realtek RTD1195
Memory	1 Gb RAM, 4/8Gb Flash
Interfaces	1xLAN 10/100/1000, 2xUSB2.0, HDMI 1.4, microSD Card reader, port for IrDA receiver connection, Wi-Fi 802.11ac
Video containers	MPEG1, MPEG2(+HD), MPEG4(+HD), XviD, DivX, H.264, WMV9,VCHD, VC1, HEVC
Wi-Fi	IEEE 802.11 ac

- Interaction with external USB storage devices
- RTSP, RTP, UDP, IGMP, HTTP
- M3U and XSPF playlists
- Popular Android apps
- Well-known online-cinemas
- 2D/3D accelerators, OpenGL support
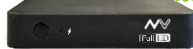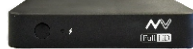
Additional package

Multipurpose programmable remote

RCA-cable

External Infrared port

Technical features

Name	NV-501	NV-501Wac	NV-501WB NEW! under development	NV-502 [1]	NV-510W NEW! under development	NV-510WB NEW! under development
Image						
Processor	Realtek RTD1195	Realtek RTD1195	Realtek RTD1195	Realtek RTD1195	Realtek RTD1195	Realtek RTD1195
RAM	1 GB	1 GB	1 GB	1 GB	2 GB	2 GB
Flash	4 GB	4 GB	4 GB	4 GB	4/8/16 GB	4/8/16 GB
Software	Android 4.4	Android 4.4	Android 4.4	Android 4.4	Android 6.x	Android 6.x
4K support	4Kp30	4Kp30	4Kp30	4Kp30	4Kp60	4Kp60
USB 2.0	2	2	2	2	2	2
HDMI v1.4	●	●	●	●		
HDMI v2.0					●	●
HEVC	●	●	●	●	H.265 L5.2	H.265 L5.2
Wi-Fi		802.11ac	802.11ac	802.11ac	802.11ac	802.11ac
Access point mode	●	●	●		●	●
Bluetooth			●			●
Supported protocols	IP, HTTP, DHCP, NTP, IGMP (multicast), ICMP, UDP, RSTP, PPPoE, HLS, DLNA*, SAMBA*, Bit-torrent*					

[1] - available upon request

NEW! under development - under development

Middleware/OTT providers

Middleware/OTT

Media Alians	Vidimax	SPBTV
n3.ru	vidimax.ru	spbtvsolutions.ru

IPTV portal	BCC group	Inetra
iptvportal.ru	bcc.ru	cn.ru

Netris	NetUP	Smartlabs
netris.ru	netup.tv.ru	smartlabs.tv

PeersTV	СмотрЁшка	CTI
peers.tv	smotreshka.tv	cti.ru

WildRed	Наука.Связь	We invite partners
	naukanet.ru	

CAS/DRM

Verimatrix
www.verimatrix.com

SecureMedia
www.securemedia.com

A.R.E.S.
2ip.tv

Widewine
www.widevine.com

We invite partners

Services

Media

Online cinemas

Play services and apps

Social networks

Internet surfing

Service quality

NV series set-top boxes combined with RG series home routers provide high-quality traffic transmission over Wi-Fi network and auto configuration of devices.

Service provider server

TV

NV set-top box
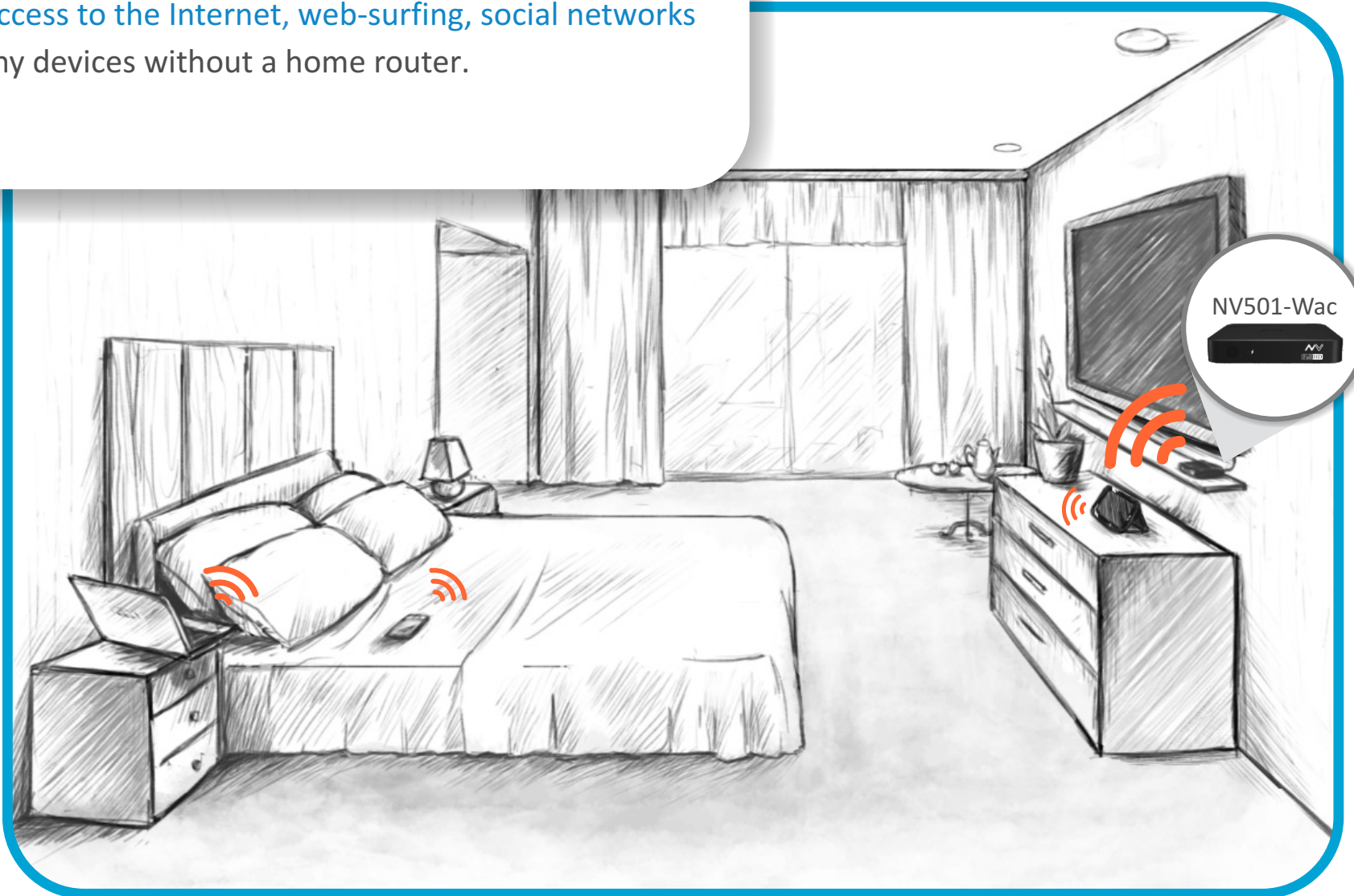
TV

RG-34/35/54 router
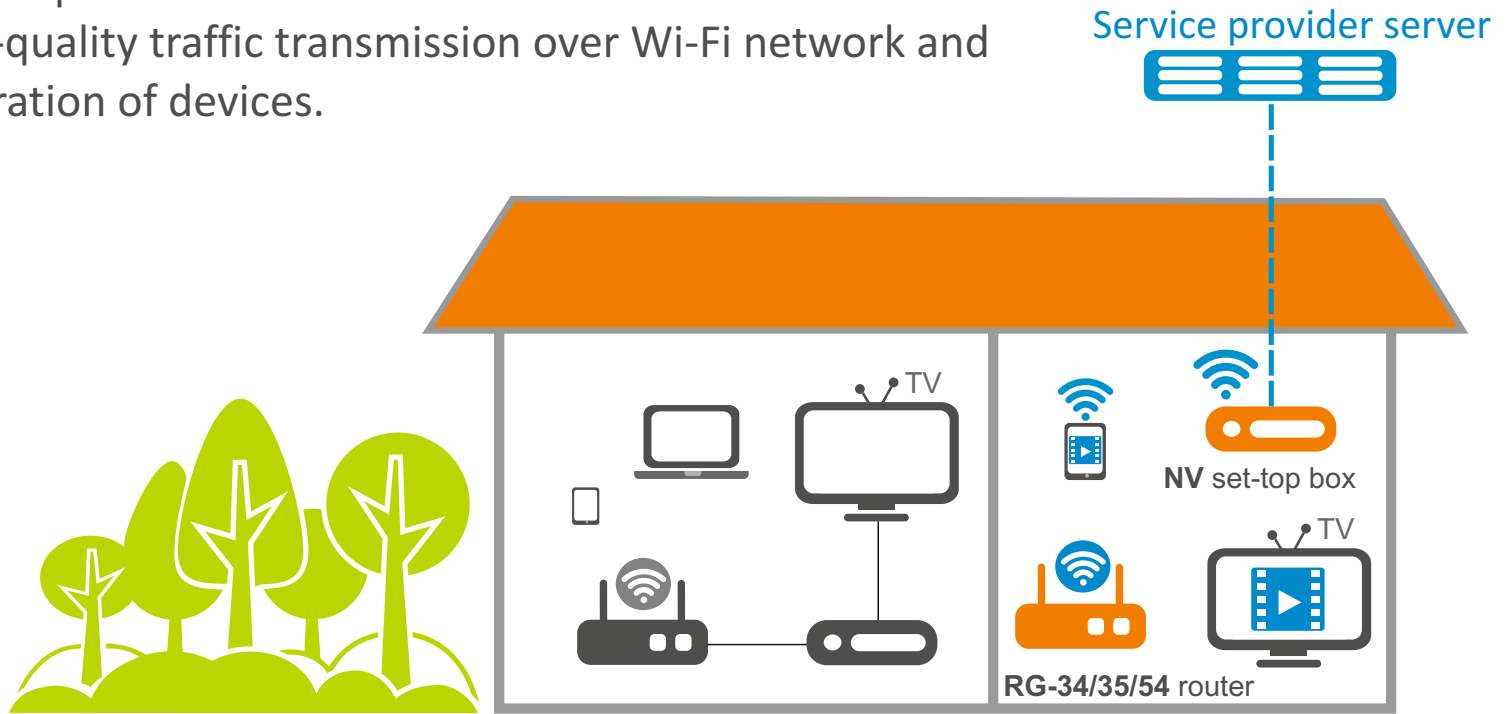
RG-34

RG-5421G-Wac

NTU-RG-1422G-Wac

Service quality

NV-501-Wac supports up-to-date Wi-Fi standards: 802.11a/b/g/n/ac, works as access point at 2,4/5 GHz, providing access to the Internet, web-surfing, social networks etc. from any devices without a home router.

NV501-Wac

Technical features

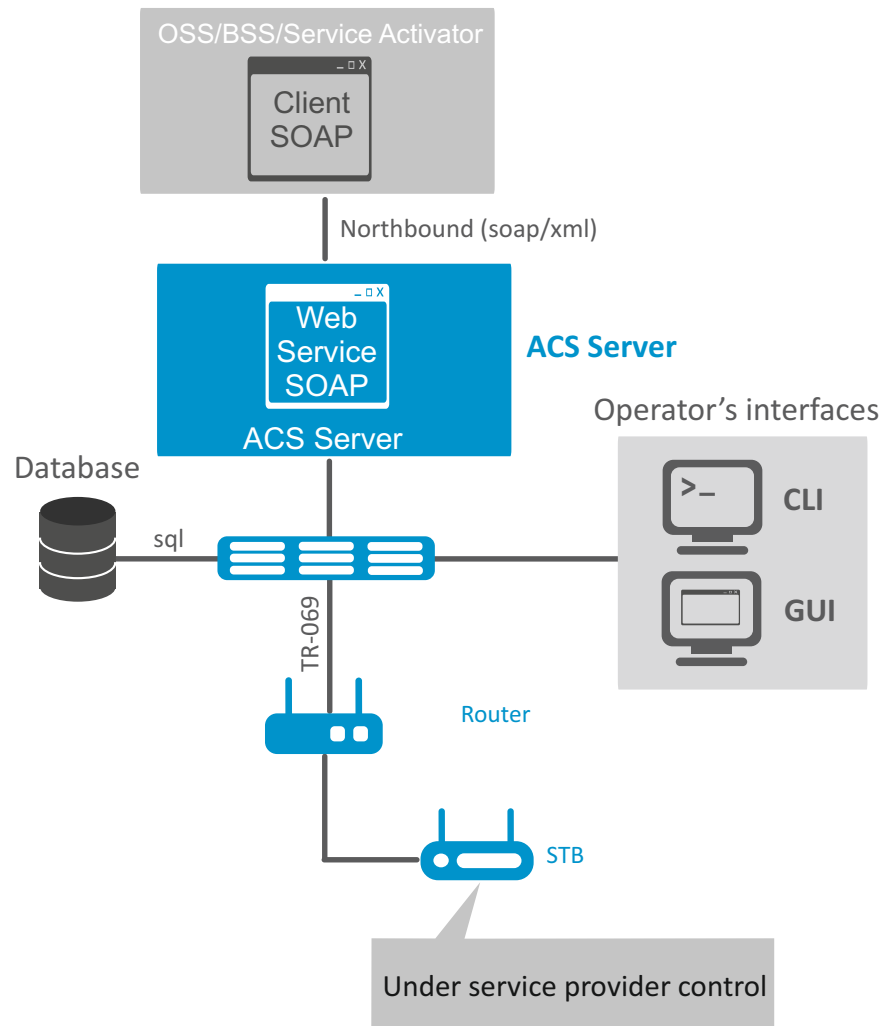| Name	RG-34	RG-5421G-Wac	NTU-RG-1421G-Wac
Image			
Processor	Realtek RTL8881AB	Realtek RTL8954ES	BCM68380
RAM	128 Mb	128 Mb	256 Mb
Flash	16 Mb	32 Mb	128 Mb
Software	Linux	Linux	Linux
LAN	4x100M	4x1G	4x1G
WAN	1x1G	1x1G	1x1GPON
Wi-Fi	Wi-Fi 1x1 2,4 GHz 802.11n Wi-Fi 2x2 5GHz 802.11ac	Wi-Fi 2x2 2,4 GHz 802.11n Wi-Fi 2x2 5GHz 802.11ac	Wi-Fi 2x2 2,4GHz 802.11n Wi-Fi 3x3 5 GHz+ 802.11ac
3G/4G modem support	●	●	

ACS

ELTEX. ACS - subscriber device management system

ACS (Auto configuration system) is a multifunctional software, that provides remote management of IPTV set-top boxes and other devices via TR-069 specification.

OSS/BSS/Service Activator

Client SOAP

Northbound (soap/xml)

Web Service SOAP

ACS Server

ACS Server

Operator's interfaces

Database

sql

TR-069

CLI

GUI

Router

STB

Under service provider control

- Auto-configuration and dynamic setting up

- Centralized firmware update

- State and performance monitoring

- Diagnostics

- Creation of scheduled tasks

QMS

ELTEX.QMS - SERVICE QUALITY MONITORING SYSTEM

«Eltex.QMS» system allows real time control of content parameters and guaranteed delivery, so that service providers might reduce time and means spent on searching and fixing causes of service deterioration.

- Transport error counters
- Playback error counters
- Bandwidth statistics for HLS
- Common traffic
- Channel viewing statistics
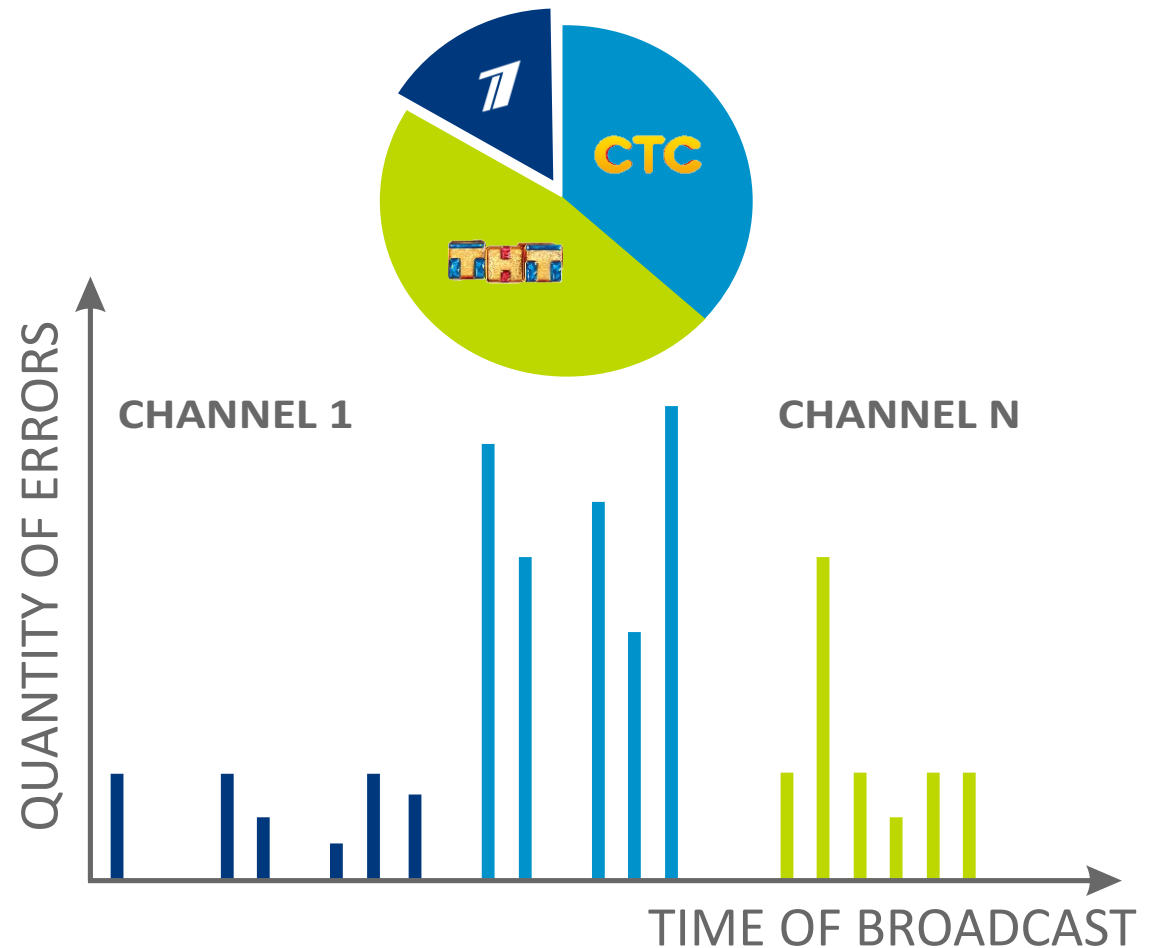
ACS-BOX

ELTEX.ACS-BOX - COMPLETE SOLUTION, THAT ALLOWS YOU TO ESTIMATE OPPORTUNITIES OF ACS SYSTEM

ACS is a client-server solution, that provides interaction with devices through **TR-069**.

NBI – NorthBound Interface, interface, through which **ACS-BOX** and **ACS** interact.

ACS-BOX is a complete solution, that allows you to estimate opportunities of **ACS** system and its integration and adaptation to existing structure through NBI-requests.