Arantia TV Middleware Business



The server is in charge of the distribution of interactive services to the IPTV devices through a powerful and intuitive interface, fully customizable, to meet each customer requirements.
By means of this web-based middleware, the final user will gain access to the configured services: IP television service with channel list that can be customized per user or group of users, electronic program guide, BYOD services (mirroring, casting), messages, general information (weather, sightseeing, latest news...), hotel promotional information (special offers, hotel events, hotel services...), booking and shopping, check guest expenses, wake-up alarm, etc. through the television.

Ref.	83032103
Logical ref.	AMW-ATV3-101
EAN13	8424450204962

Other features	
Number of users	Up to 499 Users

Packaging info	
Box	1 pcs.

Physical data	
Net weight	6,350.00 g
Gross volume	12.49 dm³
Gross weight	6,350.00 g
Width	437.00 mm
Height	43.00 mm
Depth	420.00 mm
Main product weight	6,350.00 g

Highlights

- Based on web technology
- RAID controller integrated: in case of the failure of one of the hard disk drives, the RAID mirroring function guarantees that the system continues to function (exclusive function of ref. 83032403)
- It integrates the complete Arantia TV Management tool, with which the administrator can configure all the system settings and options:

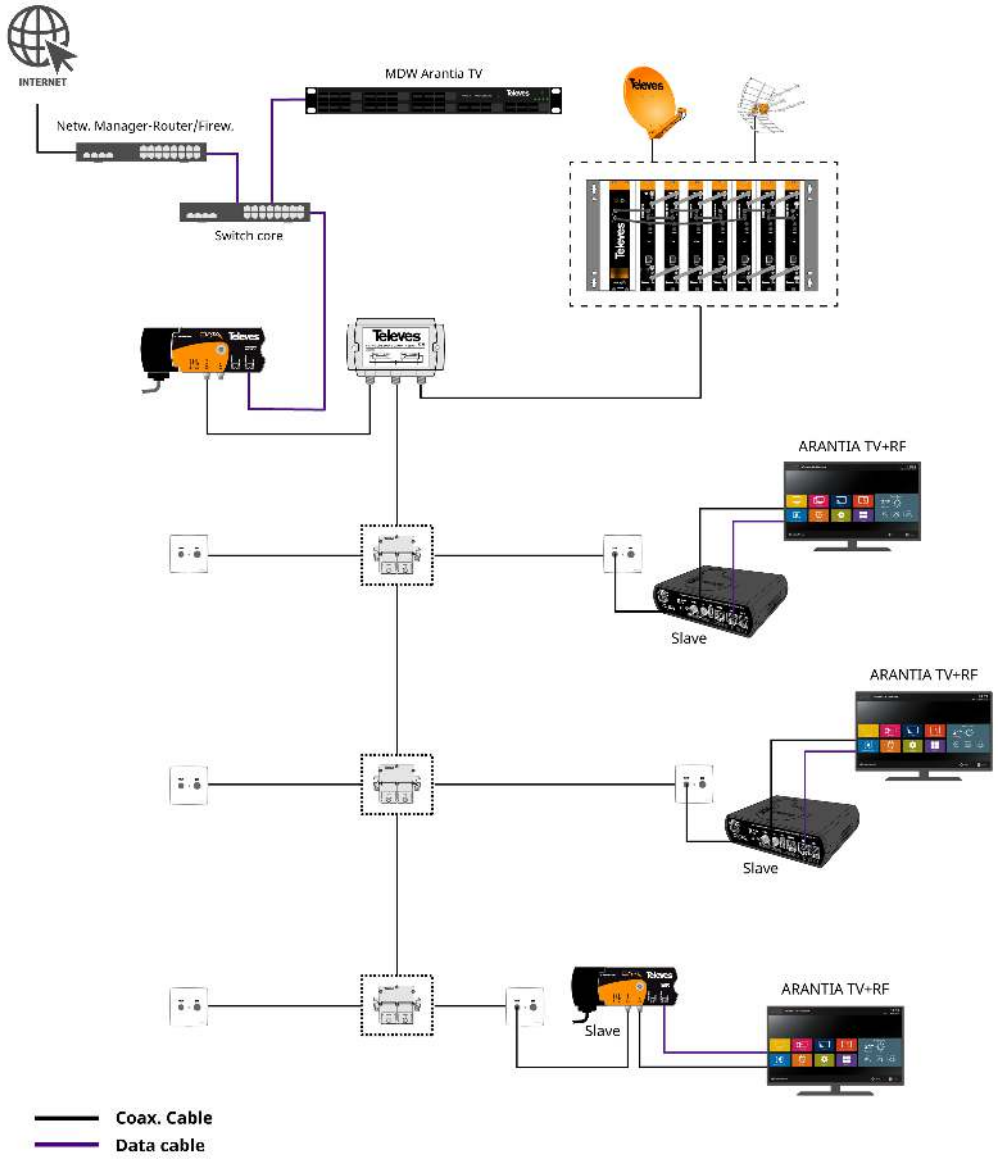
- Room and room groups features
- Guest and guests list information
- TVs and STBs features, as well as those of the remote TVs in the different areas of the establishment
- Channel list
- Welcome message, the main logo, menu, banners and the TV service
- Statistics visualization like: time using each service, time spent in each channel, expenses...
- Hotel network and hotel sections
- Other entertainment services

- User interface compatible with the most popular end user devices* (TV's and STB's) deployed in Hospitality IPTV projects.
- Available services:
  - Integration with PMS and PMS Adapter
  - Welcome message
  - Television
  - Electronic program guide
  - Weather forecast
  - Mirroring
  - Casting
  - STB / TV Apps
  - Messages
  - Information services (Hotel information, tourism, local attractions, etc.)
  - Booking & Shopping
  - Check guest expenses
  - Wake-up alarm
  - Express checkout
  - Surveys
  - RSS Feed
  - Multiple languages supported
- Compatible with service access licences

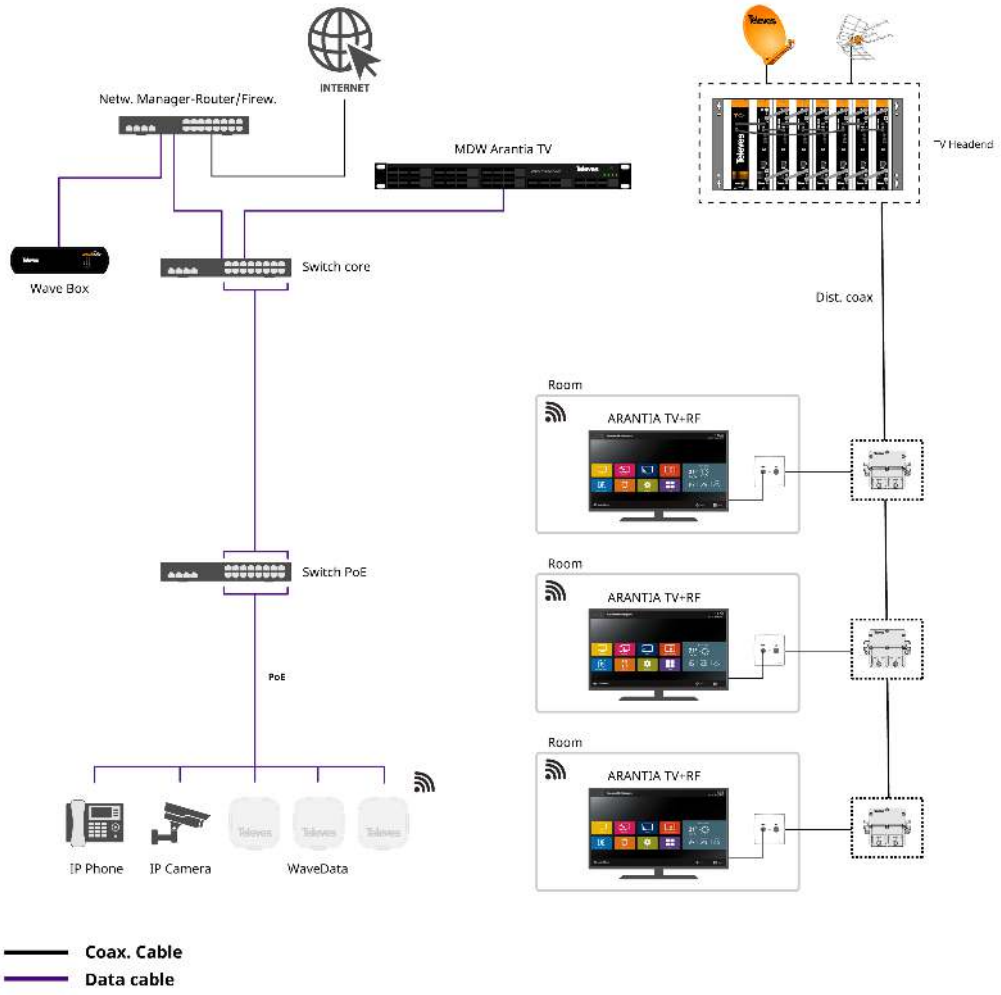
(*) Consult the current list of compatible products.

Application example

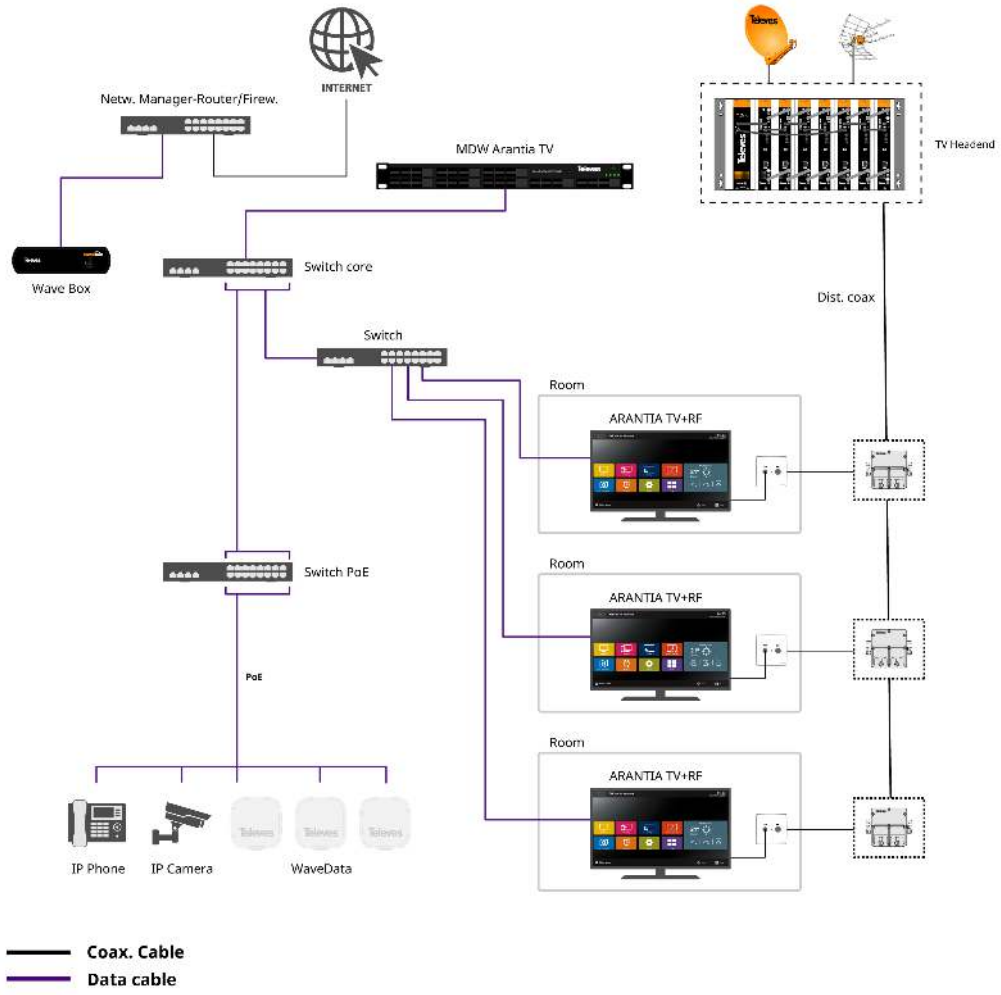
Arantia TV service over a CoaxData network



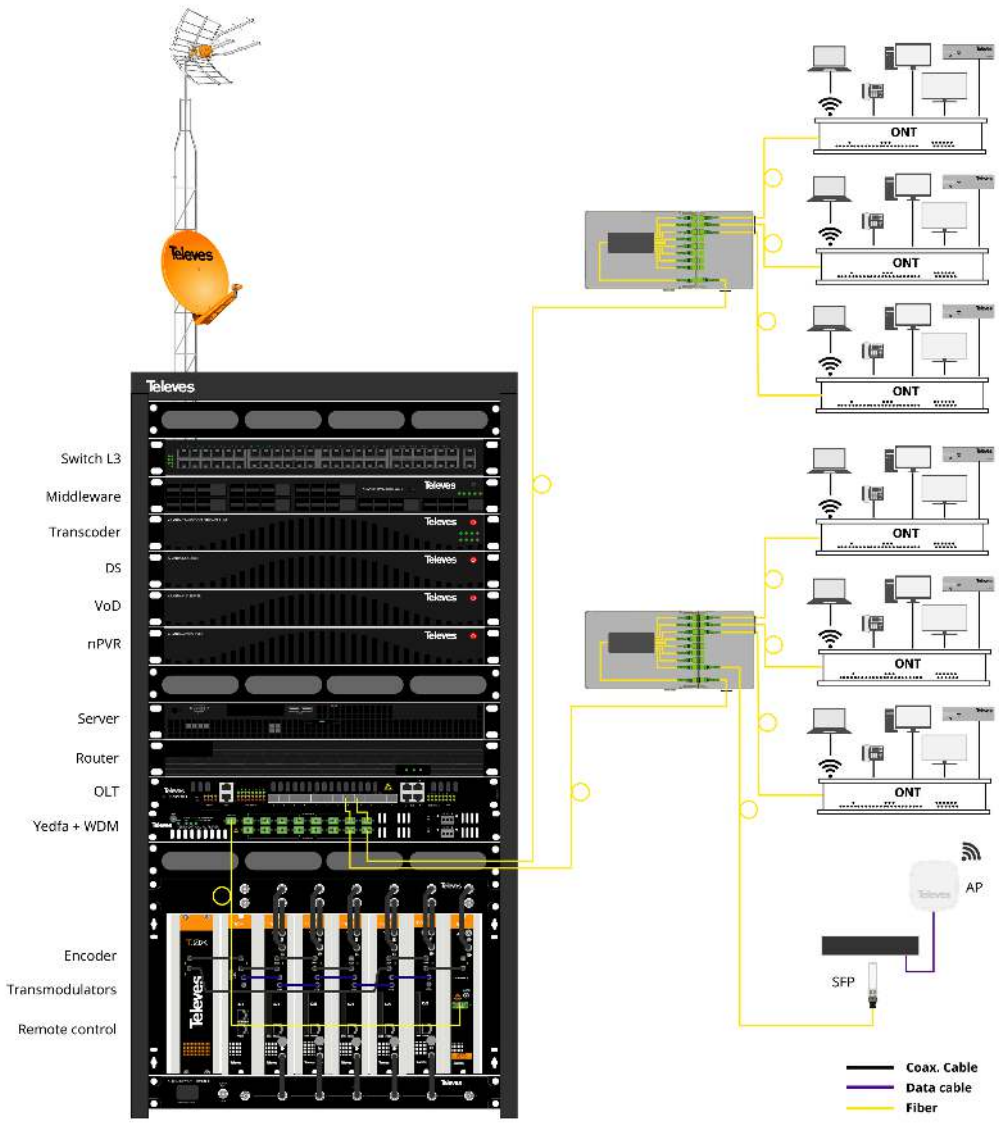
Arantia TV service over a traditional coaxial network + WiFi



Arantia TV service over a traditional coaxial network + data cable



Arantia TV service over a GPON network


Switch L3
Middleware
Transcoder
DS
VoD
nPVR
Server
Router
OLT
Yedfa + WDM
Encoder
Transmodulators
Remote control
ONT
ONT
ONT
ONT
ONT
ONT
AP
SFP
Coax. Cable
Data cable
Fiber

Services



Welcome message

A welcome message will be displayed on the screen the first time that the client enters the bedroom. The guest information, language or channels reorganization by nationality will be automatically adjusted according to the information supplied on Hotel PMS and provided that, an integration between both systems exist.
It is possible to define a message, the company (executive director + name for example), the desired image or logo, the song which will sound while the welcome screen is visible either a corporate video.



Main menu

System main menu shows the multiple functionalities activated by the system administrator, allowing a total management of each item in layout, size, color or functionality.



Interface

To offer a control interface and total customization, Arantia TV main menu is based on a virtual grid of 4x8 sectors.
Each item created (box+icon+text) can be resized according to the establishment priorities, as well as formatted in text, color and iconography.



Television & Radio

IPTV services allows distribution of TV and Radio channels from DTT, satellite, cable or IP sources, enabling all services provided are incorporated into a single system regardless of the source.
In this way, it is possible to include A/V signals of multiple origin, as CCTV or ECDIS systems.
Channels list shows:

- Numeric location of channel access (number from 1 to XXX).
- Program name and current broadcast.
- Channel icon.

On the right side of the screen, the complete information will be displayed, showing current broadcast and posterior expanded information (EPG).
Radio channels are integrated into the system as if they were a television service, even allowing the specific package generation.
Pause and playback service is available to the users.



Corporate channel

Television will be converted into personalized information points since the company will be its own contents' producer. This is an information channel where it is possible to advertise events, promote the property, etc.



Alarms

This service allows the user to schedule alarm clocks or alerts at a specific time and date, being also possible to indicate the frequency, as well as the content to be displayed (TV or radio channel).
This functionality will also be able to be programmed from the mobile application.
To ensure the correct system operation, it will be necessary to support one of these options:

- STB and TV with TVi (TV control) protocol.

- STB and TV with full CEC functionality and consistent with wake-up.
- Compatible TVs with embedded STB.



Information service

Information services allow to display corporate and commercial content including text and image. All this information can be managed through the Back Office tool.



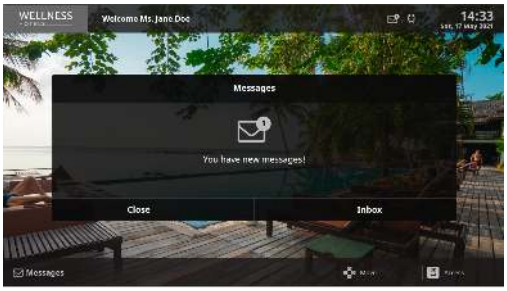
Weather service

Weather service (widget) shows weather conditions information with 3 days of forecast for the city that has been selected at the Back Office tool.
This widget can be included at any point on screen, according to the main menu design grid available.



TV applications

Arantia TV system implementation in supported Hospitality TVs with embedded STB allow the user to launch the available applications according to the TV manufacturer repository.
These applications can come preinstalled or be available to download and installation using the TV remote control, thus ensuring an integration, functionality and stability with the TV brand/model to use.
The applications which do not meet the manufacturer requirements or that are not available for installation, emission or reproduction according to content rights policies will not be installed.
The credentials erasure is executed automatically during the check-out procedure, functionality that can be integrated with the Property Management System. The user will also be able to erase the credential on demand through a specific option included in the user interface.



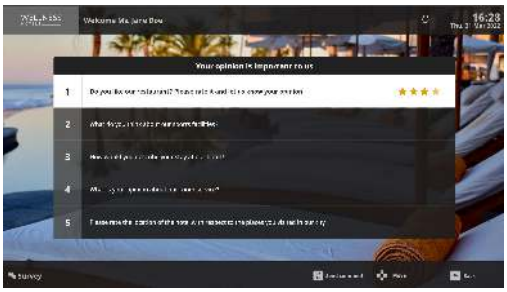
Instant messaging

The administrator can launch customized messages from the reception to the guests.
This is a flexible way to publish personalized events.



Booking & Shopping

This Booking & Shopping section includes a catalog of products and services that are offered to the users and that can be classified into different categories. With it, the establishment will be able to promote the food service, health and beauty treatments, leisure and entertainment experiences or even gifts, so that users can comfortably make direct purchases or pre-reservations from the TV installed in their rooms.



Surveys

Users can share their opinions with the establishment by rating questions previously created by the administrator, in addition to making comments on them, always anonymously.

With this service, the system administrator can obtain information about the users' opinions, since the rating, participation and comment data are collected by the administration tool.



RSS Feed

Thanks to this customizable widget displayed in the main menu, the administrator can configure different web sources of news and current affairs content from professional providers so that users could be informed 24 hours a day.



Other integrable services (*)

This system allows the integration of other contracted entertainment services, like:

- ArantiaCast System: professional casting solution that allows guests to transfer their favorite contents from their mobile devices directly to the hotel room TV.
- Corporate Channel service: through this service, the guests can check the hotel's services, news or promotions at any time.
- VOD (Video On Demand) service: with this service, each television installed in the guest rooms becomes a content library accessible at any time.
- nPVR (Network Personal Video Recorder) service: designed to collect, store and share IPTV channel recordings with guests for a quality interactive experience.

(*) These services are not included in the Middleware, but must be purchased separately.

Technical specifications : Ref. 83032103

Storage capacity	GB	240
Number of Gigabit Ethernet ports (10/100/1000BASE-T)		4
Number of dedicated RJ45 IPMI connectors		1
Input voltage	Vac	100 ... 240
Mains frequency		50 Hz / 60 Hz
Max. power consumption	W	350
Energy efficiency	%	92
Operating temperature	°F	23 ... 95
Relative humidity	%	8 ... 90