

Hospital Systems for Communication and Assistance



Index

Technology applied to the care of people.....	4
Accessibility	5
Advantages.....	6
Software	7
Solutions	9
AdvantLink.....	10
AdvantCare	12
AdvantSOS.....	24
AdvantCall	25
AudioConnect.....	26
AdvantControl.....	27
AdvantClock	28
AdvantTrack.....	29
AdvantSense.....	30
AdvantQTime	32
AdvantDS.....	33



Technology applied to the care of people



Advantecnia is the trademark of the **ACE Business Group**.

With more than **20 years** of experience, Advantecnia **designs, manufactures and develops** technological solutions based on IP communications, for the healthcare sector.

The differential value of the brand is its constant investment in **r+d+i** to offer its clients the latest technology in the sector.



Accessibility

Care communication systems of Advantecnia have been designed ergonomically, focused on the **accessibility** by including Braille code and representative forms of the different alarms.

Systems are managed through software that allows you to keep a record history of assistance alarms and techniques indicating the day, month, year, hour and the exact place where the alarm was generated and who has taken care of it.

Designs created to **avoid the discrimination or exclusion** of any person based on their gender or identity of genre.



Modular



Scalable



IP



Cloud



Friendly



Universal



Inclusive



Advantages

Hardware technology solutions and Advantecnia software are based on IP communications and when **using systems standards make it easy to install and start up.**

The server is centralized, allowing **manage the system of a location central.**

In addition, they can improve the quality of health care and accessibility, increase efficiency and customization and offer innovative technologies for improve people's lives.



Easy Commissioning



Improves healthcare



Increased efficiency



Personalization and Flexibility



Cloud Server - Virtualized



On Premise Server - Centralized

CERTIFICATES



Software

Software integration platform Advanced for the **integration of all systems**, in On Premise or Cloud technology.

- Payment by License or SaaS
- Alarm Integration
- Multiplatform / Multilanguage
- Nurse Call System
- Wireless alarm system
- VoIP/SIP
- Two-way Instant Messaging
Indoor / Outdoor
- Mobility Tablets / SmartPhones
- Alarms of Vital Sensors and
environmental
- Fingerprint
- Integration with:
 - Control of Access
 - Cameras
 - RTLS
 - Falls Detection
 - Alarms of Fires
 - BMS
- **Other Call nurse systems with Protocols generic or Specific Software**



The **client software** for the workstation control is an intuitive and easy tool to use that allows to **control and monitor** systems and devices effectively **in real time** from a single interface.

The tool allows you to analyze historical and in real time identify patterns and trends and potential problems before that turn into emergencies.

Intuitive and easy to navigate graphical interface, provides a comprehensive overview and details of the systems and devices, that allows you to **make quick decisions effective** in an emergency.

Designed to ensure the safety of patients and not lose their notices.

- Prioritization of alarms
- Messaging to wireless terminals
- Optional integration with clinical information
- Historical record
- Reports and graphs



Solutions

advanTECNIA
By ACE Group 



Communication and Assistance



**Nurse - Patient
Call**

advanCARE



**Signage and
Alarm for Bathrooms**

advanSOS



Intercoms

advanCALL



PA System

**audio
CONNECT**



Automation and Security



**Control and
Energetic Saving**

advanCONTROL



**Realtime
Location**

advanTRACK



**Time
Synchronization**

advanCLOCK



**Realtime
Monitoring**

advanSENSE



Management and Entertainment



**Shift
Management**

advanQTIME



**Digital
Signage**

advanDS



ADVANTLINK

Thanks to our **AdvantLink** Server Software we are able **to integrate with any current, future or past system**.

The basic AdvantLink software license includes **interface with equipment Advantecnia, VoIP and Pager Messaging** (Android).

Each integration **needs a DATAPOINT** that allows you to monitor and manage the system from our platform.

With integration **we can act in a bidirectional** between the different DATAPOINTS or interfaces.

The **minimum server features** are:

- Platform for Windows OS
- CPU Intel i5-6500TE 3,3 GHz / 6MB, 35W, Skylake
- DDR4 SODIMM, 8GB PC2133, 204pin



Proprietary Interfaces

- Secure Notification Service and Pager
- Software Defined Alarm System
- Xbridge

Generic Interfaces

- ESPA 4.4.4
- RS485
- Programmable Parser
- Scriptable DataPoint
- HTTP(S)
- XML Import / XML Export
- Modbus
- SNMP
- UDP Echo
- TCP Echo
- OPC DA
- OPC UA
- TETRA
- *ONVIF IP Cameras
- Zwave
- IPECS
- PING
- Voip/SIP PBX
- Mail
- Pagers
- JSON
- Integration of Vital and Environmental Sensors
- Fingerprint

Specific Interfaces (Manufacturers)

- | | |
|-----------------------------|---|
| • Blooloc By Advantecnia | • Posifon |
| • Vayyar | • CareTech System 5000 |
| • Telegram Messenger | • CareTech System 4000 |
| • SynGuard Access Control | • Advance Care |
| • TESA / SALTO / SIMON VOSS | • Delphie |
| • Climax | • Tjeders PERFEKT |
| • Vitalerter | • Tjeders RESPONSDK for .NET developers |
| • Vigie | • Cinnovate CareServer |
| • Bosch | • Ekahau |
| • TeleTask | • Spectralink/Polycom/KIRK MSF |
| • Mobile SMS | • Spectralink/Polycom/KIRK SIO |
| • NEAT Electronics | • Spectralink/Polycom/KIRK XML-RPC |
| • NEC DECT | • HTTP(S) Heartbeat |
| • SIA DC 09 | • MessIT Gateway |
| • Twig | • Pacom Unison |
| • Funkwerk | • Siemens Fire Alarms |
| • MQTT | • COBS ATrax |
| • SCAIP | • COBS OpenIP |
| • TAP | • CSTA |
| • SmartCaller | • Skyresponse |
| • SOS Access V4 Server | • Appva |
| • SOS Access V4 Client | • VidiFlex |
| • Austco IP | • Salcom POCSAG Pagers |
| • Austco Serial | • BEST |
| • TETRA SDS | • ConDigi |
| • Sepura | • Faci |
| • Airbus | • Televic |
| • Motorola | • TUNSTALL |
| • Hytera | |
| • Philips Hue | |

*** New interfaces can be integrated upon request.**

advanCARE

Patient-nurse call systems that offer a complete solution for the Hospital Communication Management between Patient, Health Personnel and Hospital, in addition **to improve the experience patient during hospitalization.**

They have **software for display of alarms** in equipment desktop, mobile or panel touch screens of hallway. They also **have items installable in room hardware** headboards, wall or articulated arms complemented with bed buttons.

Advantcare products can be **power over ethernet** (POE technology) at 24 vdc and/or batteries when they are wireless equipment.



Control of digital entrances and outputs



Signal control analog for control of temperature and others signs of character analogical.



Outputs for control of lights or devices



Communications by IP or Bus



Communication terminals (IP, WIFI, Mobiles, TETRA, Pagers, etc.)



Elements of Monitoring



Mechanisms and devices modular adaptable to headboards, wall and arm extensible



Wired mechanisms or Wireless



Visualization Systems (Screens and Led Notices)



Integrated systems with control systems home automation and video surveillance



Alarm systems and entertainment integrated into the screen of Patient (TV, radio, internet, telephone, access to Pharmacy, HIS, RIS, PACS and others)

advanCARE



Communication and Assistance Solutions that allow **complete management for the care of patients or users** whether in hospitals, residential centers or Public Buildings.

Advantcare connects patients, residents and services with the staff of responsible assistance and **facilitating daily care procedures**. The information and alarms are sent from intelligent and safe way, and minimizing the mistakes.

The Advantcare system is made up of the following items:

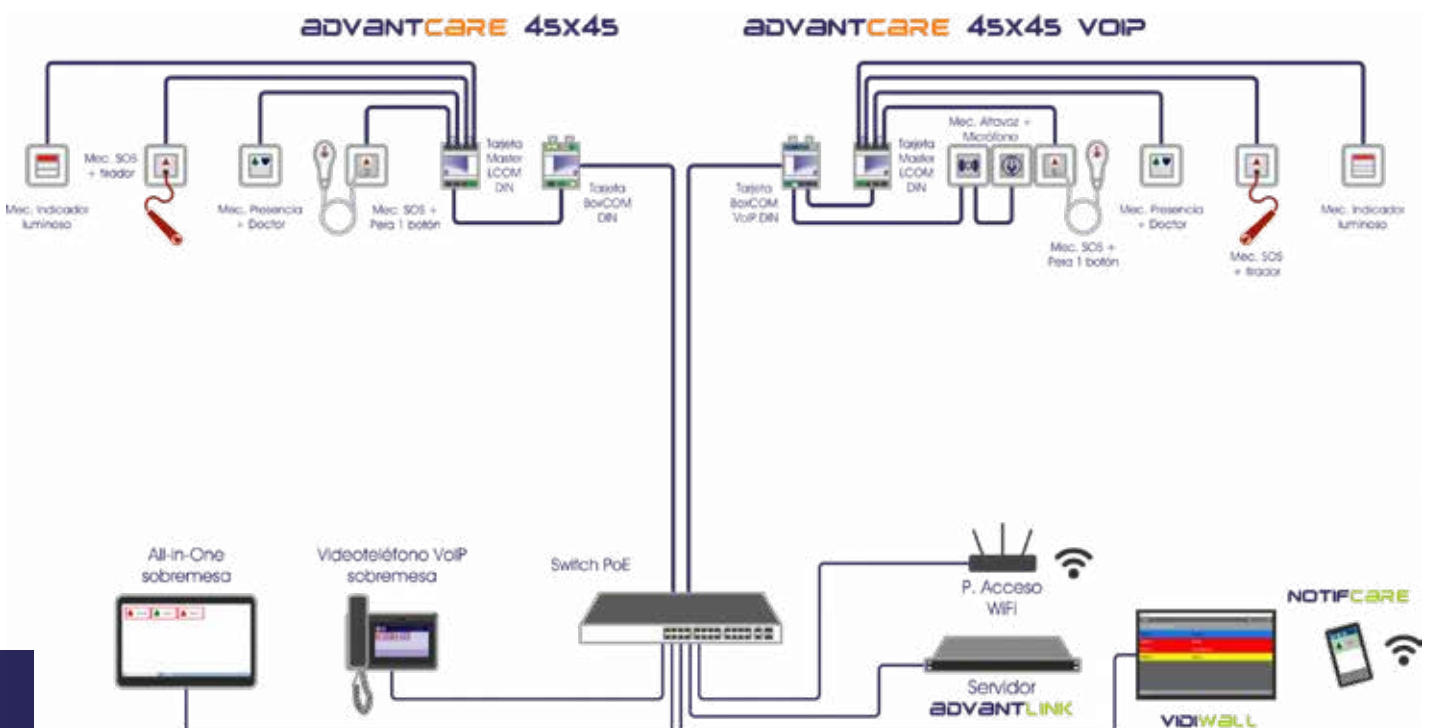
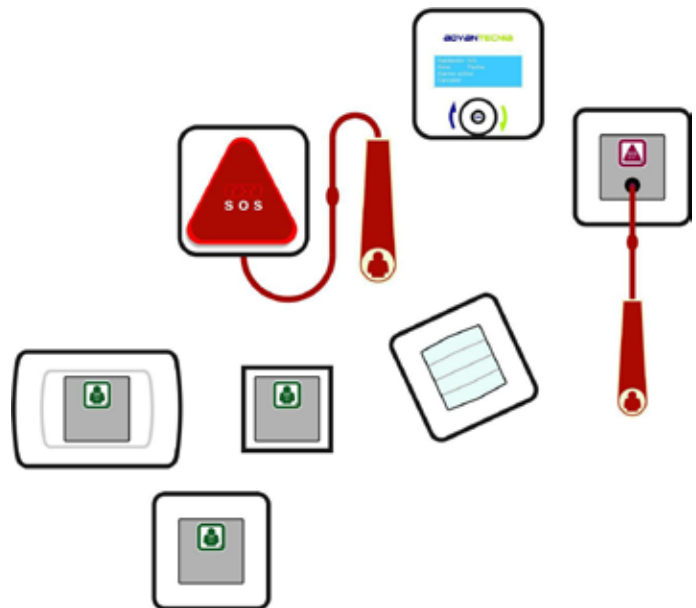
- Smart Room Device Carepad or Smartfonet
- Room Control Unit
- Call/Presence Mechanisms
- Hall Light
- Nursing Control and Monitoring Post of Patients (can have several configurations of VOIP nursing monitoring console, Notifcare App for Android or Smartphone or Tablet or Monitoring console integrated in Smartfonet)



advantCARE 45x45

The 45x45 format optimizes smart and simple communications care.

- VoIP
- Standard format
- Mechanisms to embed
- Surface mechanisms
- Framework: European or American
- Integrable with electrical mechanisms of the main brands on the market



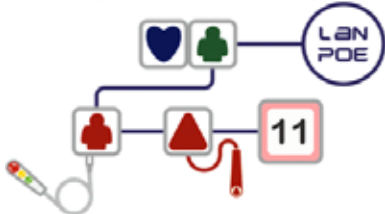
advantCARE 80x80

The 80x80 format manages the communications between the patient, the health personnel and the hospital with a friendly design.

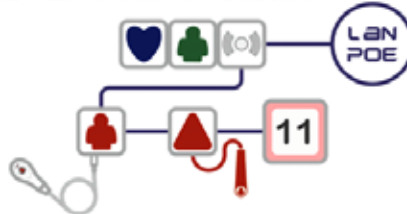
- Large format buttons, shape and representative color
- Text or Braille
- VoIP
- Arm with tablet + buttons
- Wireless solution



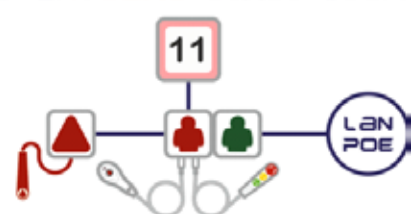
advantCARE 80x80



advantCARE 80x80 VOIP



advantCARE 80x80 LCOM



advantCARE 80x80 LCOM VOIP



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Metal Panel

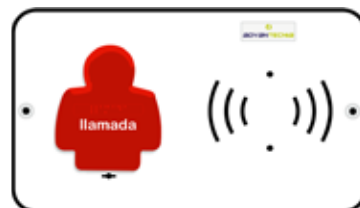
- VoIP
- Option up to two connectors for the hand push button / pear
- Embedded mounting
- Dimensions 200 x 114 x 3 mm
- PCB Dimension 80 x 80 mm
- Antibacterial protection
- Options:
 - Up to 3 buttons
 - Audio
 - 1 button with different shapes, Call, SOS, Doctor, Presence, Light



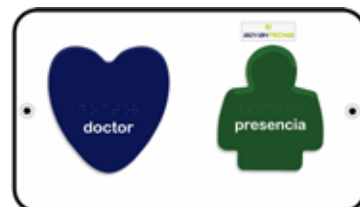
3 configurable buttons



2 touch Piezo buttons



Large butto + Audio



2 large format buttons

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Plastic Panel

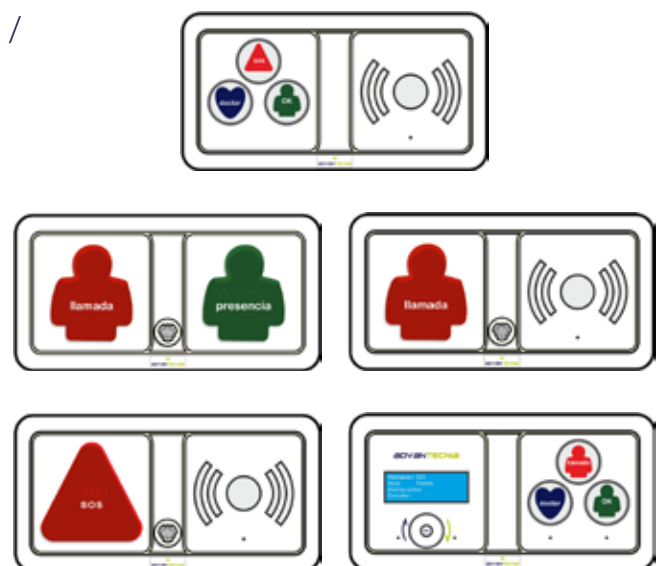
Modular Plastic Panel with 1 Embedded Element

- Up to three modular buttons
- Option with a connector for the hand trigger / Pear
- Embedded mounting
- Dimensions 114 x 114 x 8 mm
- PCB Dimension 80 x 80 mm
- Antibacterial protection



Modular Plastic Panel with 2 Recessed Elements

- 2 Configurable modular elements
- Option up to two connectors for the hand button / Pear
- Embedded mounting
- Dimensions 228 x 114 x 8 mm
- PCB Dimension 80 x 80 mm
- Antibacterial protection
- Options:
 - 3 buttons
 - Audio or Display
 - 1 button with different shapes, Call, SOS, Doctor, Presence, Light

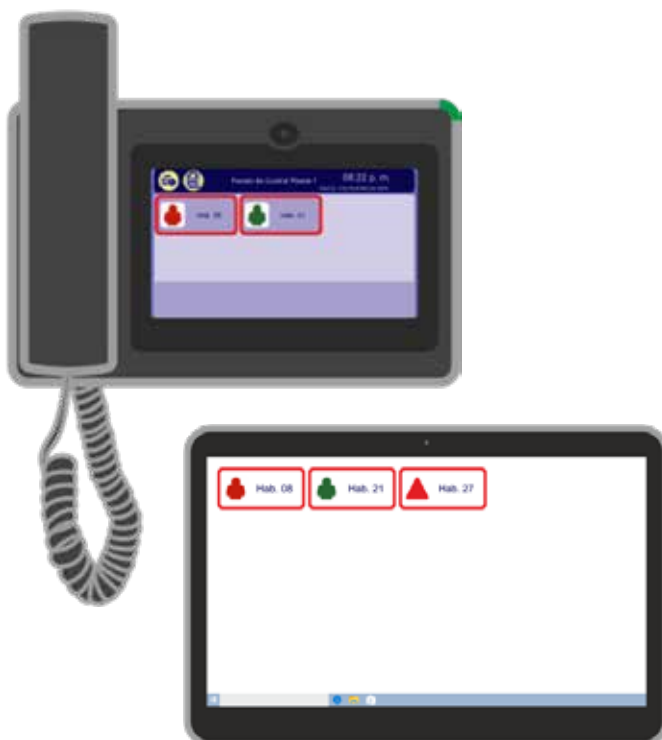
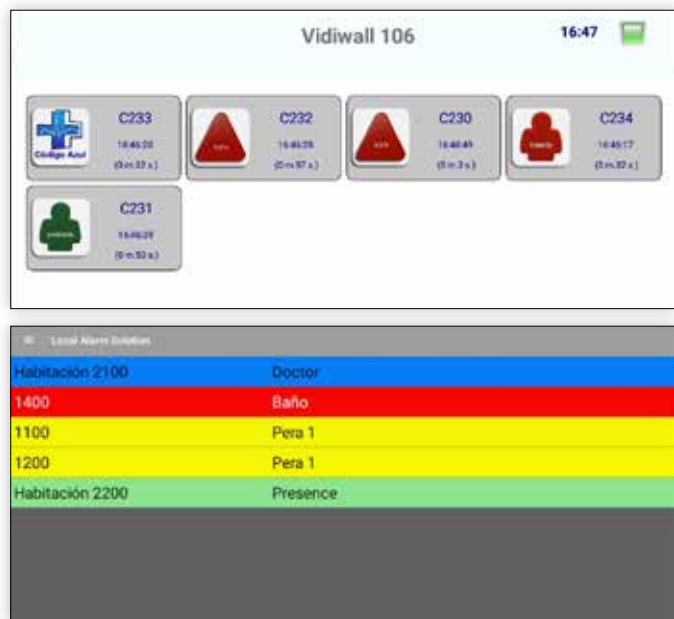


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Console, Vidiwall and Notifcare

Vidiwall

- Real time display of Assistance Alarms
- Digital clock
- Prioritization of alarms
- Use in large format screens
- Android platform



Display and notification Nursing Console with Voip

Assistance and technical alarms:

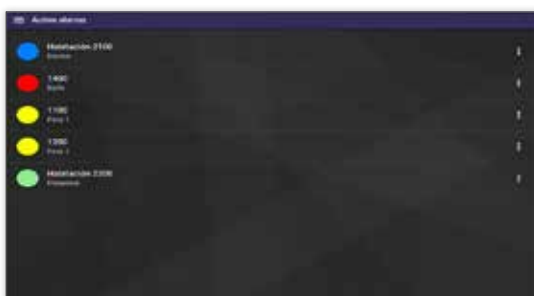
- State
- Intercom
- Remote cancellation
- Time
- Origin of the alarm
- Iconography and warning audio
- Last Attended Alarms

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Console, Vidiwall and Notifcare

Notifcare

- Display of alarms on the smartphone
- Easy to use and intuitive interface
- Options:
 - Answer the alarm
 - Answer and call
 - Dismiss the alarm
- Messaging system
- Contact list
- Android platform



Nursing Console with VoIP

Assistance and technical alarms:

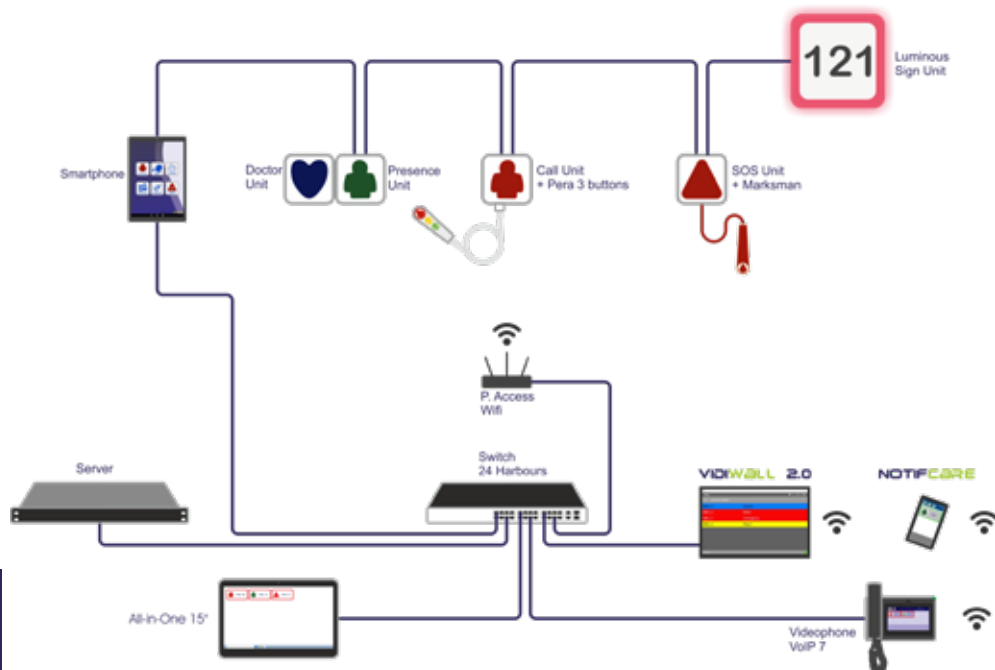
- State
- Remote cancellation
- Time
- Origin of the alarm
- Information
- Iconography and warning audio

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Smartfonet

Nurse call system using a Tablet to improve customer experience username where you can call the nurse with the message defined as:

- Call to Nurse
- Water Request Call
- Meal Request Call
- Medication Request Call
- Cleaning Request Call
- SOS Emergency Call
- Integrated equipment with physical buttons in MASTER/SLAVE mode



CAREPAD



It is also integrated with the physical buttons according to the 45x45 mm or 80x80 mm format and the AdvantLink server.



Allows Audio and Video calls with the post nursing and/or doctor and/or relatives.



Includes entertainment applications, online TV and others specific to each Hospital Center for proprietary information.



Generated Applications and Selection Kiosk for your download as needed.



The data is reset at each patient admission/discharge personal, username and password.



From the tablet or smartphone you can see the control of nursing and manage alarms from other rooms with access code restricted to health personnel.



Platform for:

- iOS (iPad, iPhone, Apple TV)
- Android (Tablets, Smartphones)

iOS android



CAREPAD

Alarm requests are classified, improving the time of response from health personnel to be able to focus solely on requests clinics. Integrates patient data into real time.

Allows the option of making a video call thus saving the time of answer.



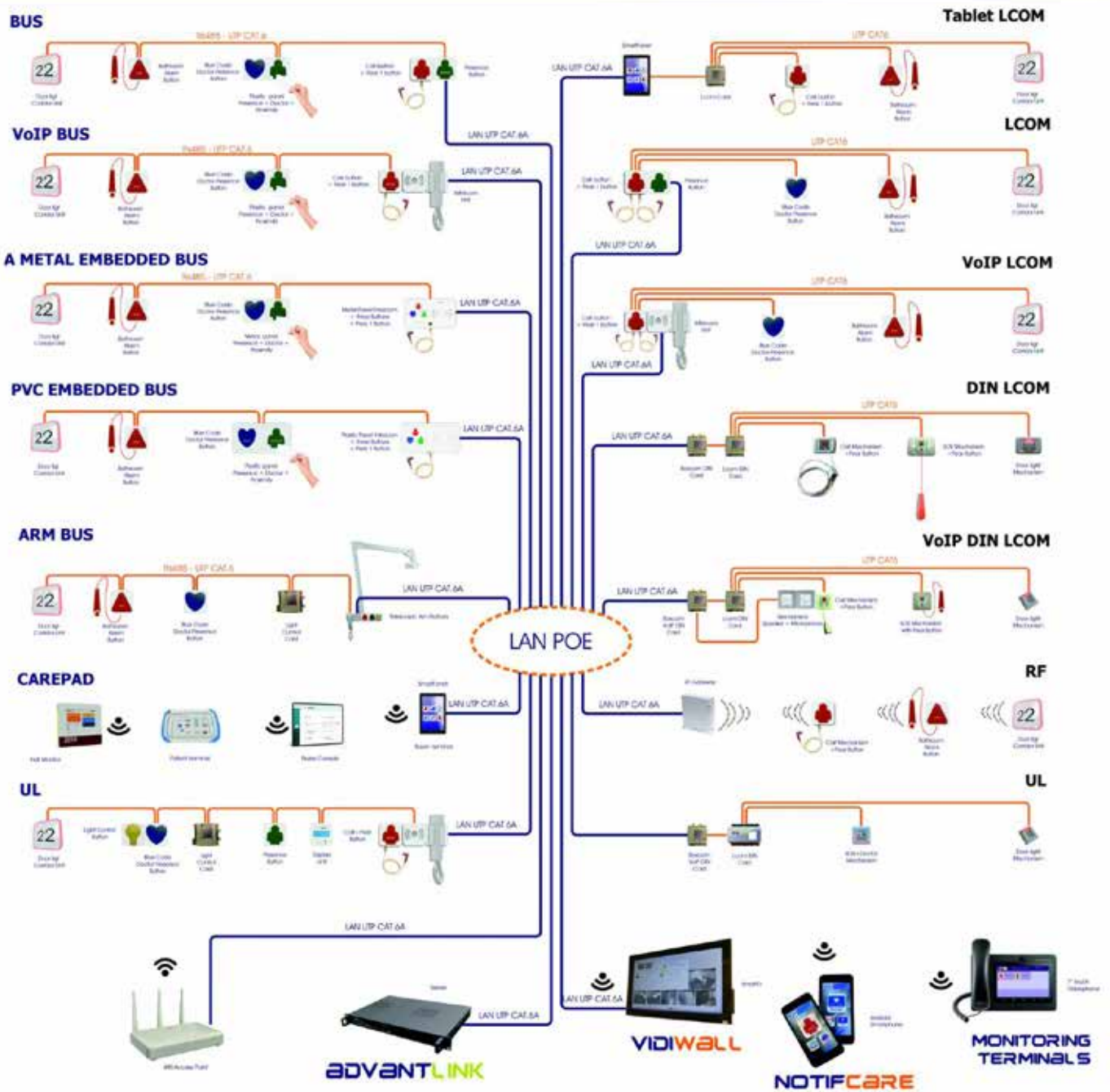
Using the tablet outside the room allows:

- External call or alert light
- Intercommunication with interior and video call (more assisted)
- Control nursing station and tasks and planned actions

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TYPICAL ARCHITECTURES

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advanSOS

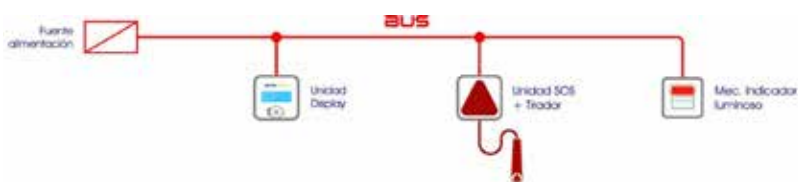


Alarm signaling system for health centers,
hospitals and all kinds of public or private
spaces.

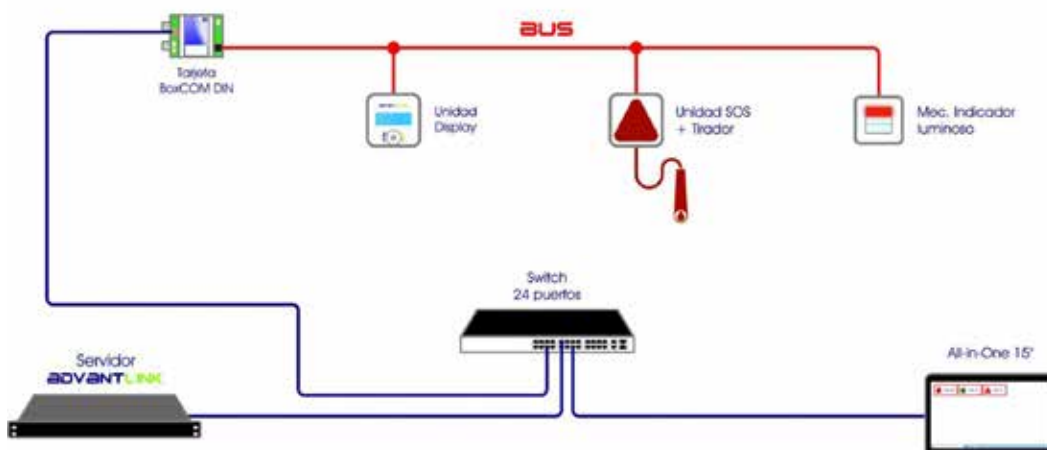
- Management by Zones or Stand Alone
- Centralized management with server,
history, monitoring and elements
unlimited



Stand Alone



Centralized and Control Server

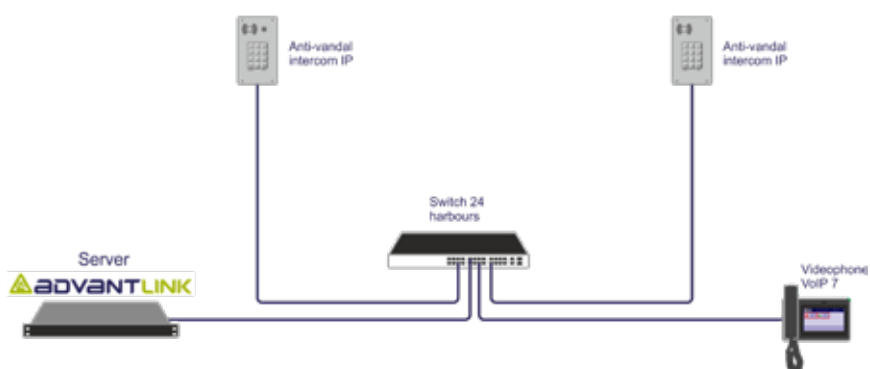


advANTcall



Advantcall Intercom systems for hospital centers and public buildings.

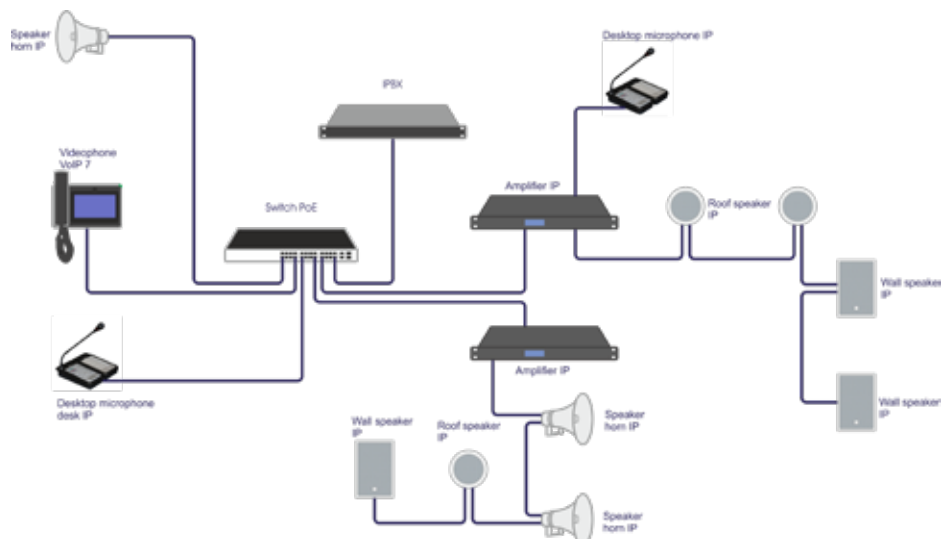
- VoIP
- WIFI VoIP Solutions
- Embedded equipment
- Surface equipment
- Adaptive card format
- Anti-vandalism solutions
- GSM communications
- Option with camera and RFID card
- Integration with AdvantLink



AUDIO CONNECT

IP public address system to emit ambient sound, notices or the creation of evacuation systems.

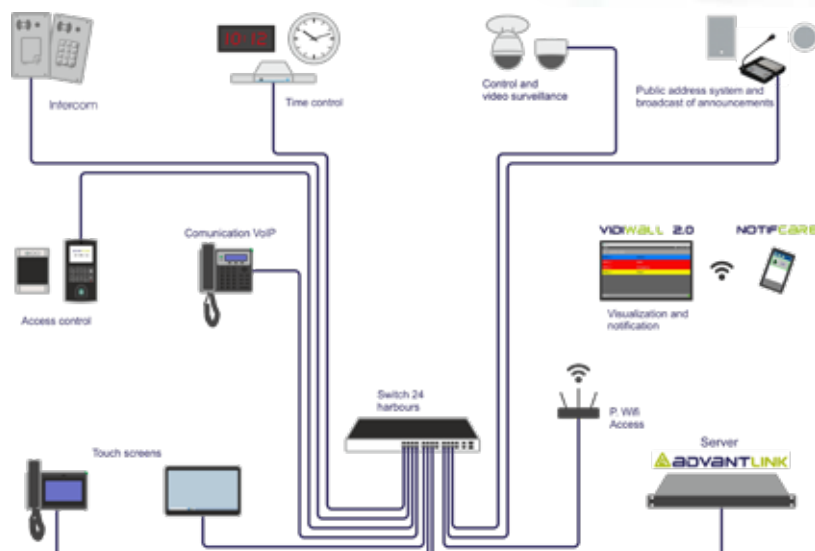
- Management by Zones or Stand Alone
- IP and/or 100v online public address system
- Intergration with VoIP
- Background music, pre-recorded announcements, etc.
- Integration with AdvantLink



advanCONTROL

System that integrates software elements and hardware **to control and automate infrastructures.**

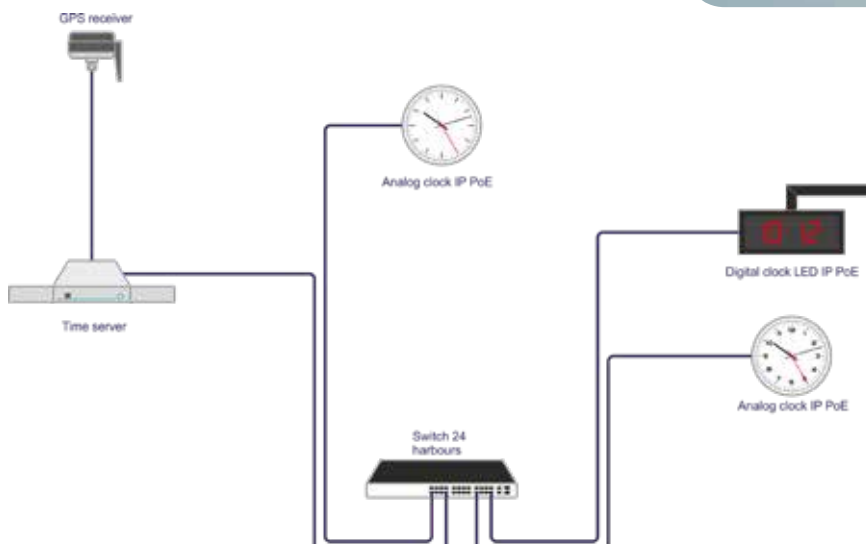
- Cameras
- Access control
- Smart locks
- Touch terminals
- Digital input/output cards and analog
- Integration with AdvantLink



advantCLOCK

Industrial watchmaking and time synchronization via GPS with wired or wireless transmission.

- IP (PoE) , Wifi, BUS
- Analog or digital clocks
- LED or backlit clocks
- Large format information screens
- Integration with AdvantLink

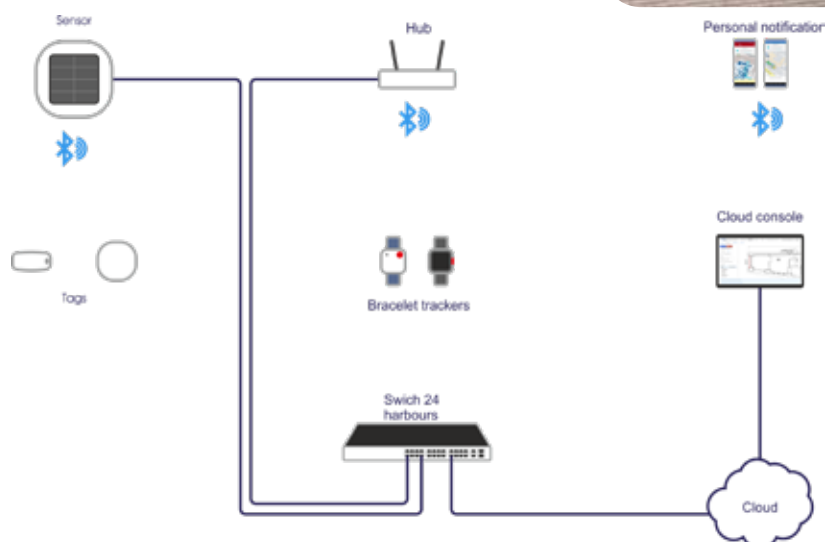


advanTRACK

AdvantTrack allows you to **locate and identify people and equipment** of the center **in real time** through tags, bracelets and cards.

- Radio and Bluetooth versions
- IP/PoE antennas
- Position barriers powered with solar panel
- Integration with AdvantLink

We have a Software that manages and simplifies the movements of the entire health care personnel, logistics, cleaners through a platform in the cloud in which they are registered all users facilitating the tasks and adapting to each job.



advANTSENSE



Continuous monitoring of patients without contact.

Solution Designed for Hospitals, Clinics, Homes for the elderly and Telecare.

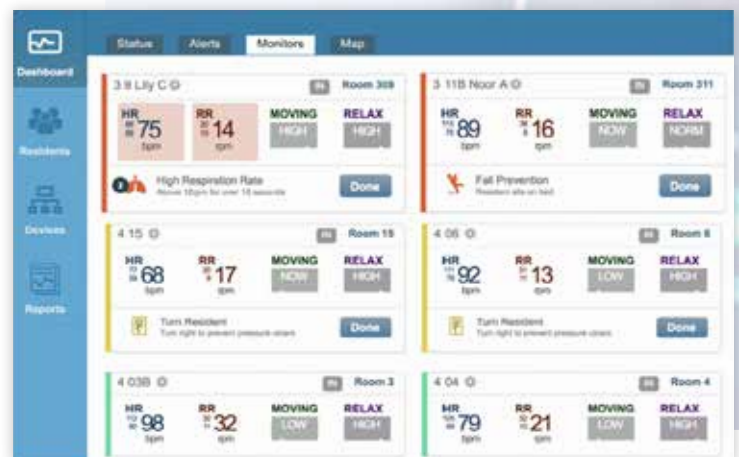
Use artificial intelligence and sensors nano-movements, detects exits of bed, measures heart rate and Breathing frequency.

Accurately analyze movements bodily without touching the patient in bed.

In case of adverse events, **the system automatically and vocally alerts nurses** for immediate intervention in the room.

Information and alerts **are sent in real time** to display screens and mobile devices.

Integration with AdvantLink.



advANTSENSE



Temperature and humidity sensors in the cloud.

Efficient management of Health Centers.

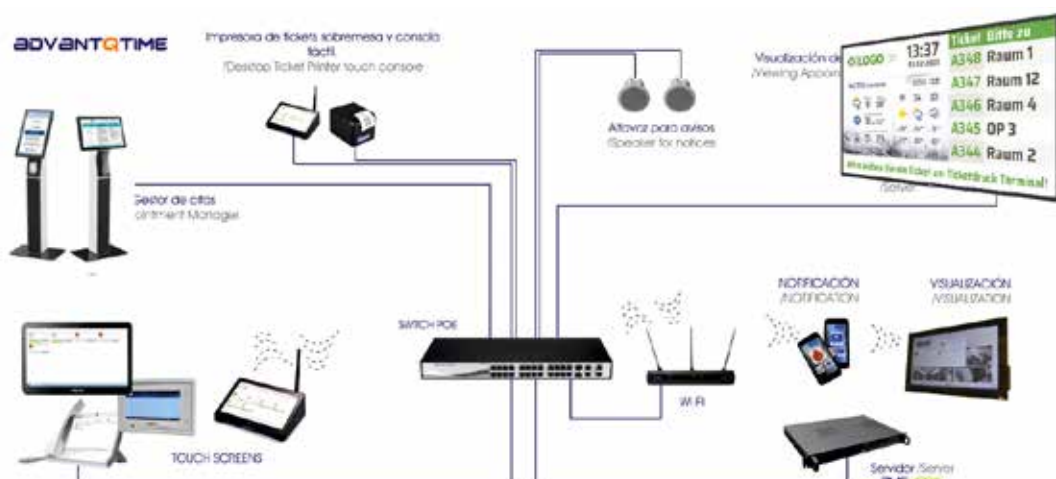
Platform that combines sensors specialized and Artificial Intelligence **facilitating the efficient management of centers and sanitary equipment.**



advanQTIME

Shift management system, queues and redirection of patients to through software and hardware elements adapted.

- Central server
- Ticket dispensers
- Large format screens in conference waiting rooms
- PC for consulting rooms
- Sound warnings
- Integration with AdvantLink



Example of connecting shift management with Qtime integration

advANTDS



Digital Signage or **Digital Signage** is any **system of screens**, in which we can view all kinds of content multimedia for advertising or informative purposes in any location we want.

The system that makes up this set we define it as visual point. The necessary elements for a visual point are basically at least **one screen, one player, the content** to be displayed and software to manage said content.

AdvantDS distributes digital content, such as **medical directories**, for example the vidiwalls, which would mix, alarms of nurse call with on-site time, news, corporate videos, etc.



Player a través de señal TDT



Player a través de splitter HDMI



Player a 3 pantallas con mismo o diferente contenido



Player a 3 pantallas con un contenido

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CERTIFICATES



Discover
our
virtual tour

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