Smart technology solutions

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A team in continuous evolution.

Founded in 2017 and dedicated to the design, development, and manufacture of technological solutions with ensured quality and performance.

We adapt to a world with constantly changing conditions that make us always want to go further. Investigating, bringing new points of view to old problems, and constantly exploring new paths make up our way of life.

ADOC has a team of professionals with more than 20 years of experience in the telecommunications sector and an experienced and visionary R&D team.

We project solutions to cover the gaps in consumers' lives and offer technological solutions embodying design and quality.







MISSION

Offer customized solutions, borned from specific needs and being developed and marketed directly by us, without intermediaries in the supply chain..

VISION

Our vision is to become a trusted technology provider at a global level, to offer solutions in different markets, establishing a close relationship with the client and offering our full support and support.

VALUES

Trust, honesty, guarantee, efficacy, decisive, adaptability, humility, integrity, collaboration, respect, tolerance, responsibility, sustainability, innovation



02

Commercial Agreements with VODAFONE - ES / ORANGE - ES / VODAFONE-PT 04

500.000 units sold into the Spanish Market.

06

Commercial Agreement with VODAFONE – IT / CORREOS GROUP 1 Million units sold.
Business opening in the educational sector.

2018
Shipments

2020 Track record

Business & strategy



BACKGROUND & highlights



07

2017
Foundation



AD HOC DEVELOPMENTS, SL was founded in 2017 by shareholders with 20 years experience in the Telco industry. 100% Spanish Capital 2010
Portfolio
Development



Full Range of Fixed Wireless Phone into Vodafone-ES portfolio.
Commercial agreement with 4th Spanish Operator (Masmovil)

2021



32.000 Tablets sold to VF-ES and delivered to Spanish Government for Digital Schools Project.

Commercial Agreement with ORANGE – ES to be the sole supplier in the category of Fixed Wireless Telephones.

New areas business



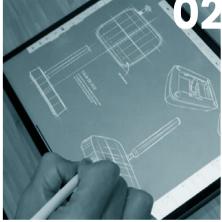
Commercial agreement with Finetwork.

New product lines such as 4G and 5G routers and senior phones.

International expansion.

Toject













Market analysis & Opportunities

Closeness to our customers to understand their needs and propose concrete solutions

Design (I+D)

Electronic design, mechanical design, software development and 3D prototyping.

Manufacturing & Certification

Manufacturing process under European quality standards with automatic analysis and verification systems.

Validation

Full hardware and software validation process, which involves thorough analysis of the product.

Sales

Commercial terms & support, delivering at customer facilities.

After-sales & Local support

Electronic design, mechanical design, software development and 3D prototyping.



BUSINESS Business

HOSPITALITY Hospitality

TELEC & Senior



TABLE Tablets

DEducation

CONNECTIV_{Router}

CONNECTIVITADB

ACCESS Accessories



MOBILITY Mobility

Fixed Wireless phone



Compatible with Virtules PBX and IP Centrex



Have an online company directory that is always up-to-date.



Closed user group internal calls.



No assembly or installation costs.



Dedicated call functions (such as transfer or multiconference) in mobility.



Plug&Play (plug, place SIM and use) agility and simplicity





Wireless phone

ESPECIFICATIONS

2G/3G/4G connectivity

2,4" colour screen

Bluetooth 4.1 and 3.5 jack connector

Includes vibration

SIM - IN System (SIM card inside the terminal)

Includes charging base

4 dedicated keys for put on hold, transfer, conference and mute.

Supports HD Voice and VoLTE business

Remote update via FOTA

USE CASE



Home



Health



Retail Commerce



Automotive sector



Nursing home



Warehouses



Wireless phone

ESPECIFICATIONS

2G/3G/4G connectivity

2.4" color display

Bluetooth 4.1 and 3.5" jack connector

Vibration included

Wi-Fi

SIM - IN system (SIM card inside the terminal)

VoLTe and VoWifi support

4 dedicated keys for standby, transfer, conference and mute.

Supports HD Voice and enterprise VoLTE

Remote update via FOTA

USE CASE



Home



Health



Retail Commerce



Automotive sector



Nursing home



Warehouses





Senior phone

ESPECIFICATIONS

2G/3G/4G connectivity
SOS button for emergency call
2,4" color screen
WiFi, Bluetooth 4.1 and GPS
HD Voice and VoLTE supports
VoWiFi calls
Integrated flashlight
Back camera
Remote SW update via FOTA

USE CASE



Home



Health





Feature phone

ESPECIFICATIONS

2G/4G connectivity

1,8" color screen

3D sound

VoLTE Roaming

VoLTE emergency call

FM Radio

Camera 0.3 Mpx

800 mAh battery

GCF certification

USE CASE



Home



Health





Senior phone

ESPECIFICATIONS

2G/3G/4G connectivity
SOS button for emergency calls
Large buttons and loud sound
2.8" color main screen and 1.77" second screen
Wi-Fi and Bluetooth 5.0
Supports HD Voice and VoLTE
Hearing aid compatible
Rear camera
Remote SW update via FOTA

USE CASE

GCF certification



Home



Health





Senior phone

ESPECIFICATIONS

2G/3G/4G connectivity
SOS button for emergency calls
2.8" color main display and external LEDs
KalOS OS (Whatsapp support)
Wi-Fi and Bluetooth 5.0
HD Voice and VoLTE support
VoWiFi calling
Rear camera
Remote SW update via FOTA
Hearing aid support
GCF certification

USE CASE



Home



Health





Tablet

ESPECIFICATIONS

4G LTE connectivity

Tablet 8" IPS 1920x1200

OS Android 10 (upgradeable) with Google Mobile Services

ROM: 16GB (expandable with microSD up to 128GB)

RAM: 4GB

5Mpx back camera and 2Mpx front camera

4.000 mAh battery

WiFi 2,4/5GHz and hotspot

Bluetooth 5.0, jack 3.5, GPS, flash, type-C, etc...

SW update via FOTA

USE CASE



Education



Leisure





Education tablet

ESPECIFICATIONS

4G LTE connectivity

Tablet 10.1" IPS 1920x1200

OS Android 11 (upgradeable) with Google Mobile Services

ROM: 32GB (expandable with microSD up to 128GB)

RAM: 3GB

5Mpx back camera and 2Mpx front camera

5.000 mAh battery

WiFi 2,4/5GHz y hotspot

Bluetooth 5.0, jack 3.5, GPS, flash, type-C, etc...

SW update via FOTA

USE CASE



Education



Leisure





Education tablet

ESPECIFICATIONS

4G LTE connectivity

Tablet 10.1" IPS 1920x1200

OS Android 11 (upgradeable) with Google Mobile Services

ROM: 32GB (expandable with microSD up to 128GB) / RAM: 3GB

5Mpx back camera and 2Mpx front camera

5.000 mAh battery

WiFi 2,4/5GHz y hotspot

Gyroscope

Bluetooth 5.0, jack 3.5, GPS, flash, type-C, etc...

SW update via FOTA

USE CASE



Education



Leisure





Education tablet

ESPECIFICATIONS

4G LTE connectivity

Tablet 10.1" IPS 1920x1200

OS Android 11 (upgradeable) with Google Mobile Services

ROM: 64GB

RAM: 4GB

13Mpx back camera and 5Mpx front camera

5.000 mAh battery

WiFi 2,4/5GHz y hotspot

Bluetooth 5.0, jack 3.5, GPS, flash, type-C, etc...

SW update via FOTA

USE CASE



Education



Leisure





Tablet

ESPECIFICATIONS

Tablet 13.3" IPS 1920x1080

OS Android 11

ROM: 16GB

RAM: 4GB

5Mpx front camera

2 speaker 3W

WiFi 802.11b/g/n/ac,2.4G/5G

Bluetooth 5.0

10 capacitive touch points

USE CASE



Health



Nursing home





Tablet Digital

ESPECIFICATIONS

Pressure-sensitive graphic tablet.

325 x 213 x 11 mm

Weight 660 gr

Supports 8 hours of writing.

Passive electromagnetic induction.

Battery 1000 mAh

Bluetooth 5.0

Compatible Android, IOS, iMac, Windows 7, 8, 10, 11, 32 and 64bits

Reading resolution 5080 LPI

Reading speed 230 PPS

USE CASE



Education



Leisure



Office



Caja de voz

ESPECIFICATIONS

2G, 3G and 4G connectivity

4.000 mAh battery

Wi-FI to use as a hotspot

2 FXS connectors (RJ11)

Compatible with telecare terminals (approved by Tunstall and Neat Group)

5 status LEDs

Battery cover with security screw

Status announcements when a configuration command is inserted

USE CASE



Home



Alarm



Workshop



Router dual band

ESPECIFICATIONS

2G, 3G and 4G connectivity

4G Cat 4 Router (DL 150Mbps/UL 50 Mbps)

Wi-Fi 2.4Ghz / 5Ghz 802.11 a/b/g/n/ac (MIMO 2x2)

4 Ethernet RJ45 WLAN/LAN ports

2 RJ11 ports for voice

5 status LEDs

2 SMA connectors for additional external antenna

Upgradeable via TR069 and FOTA

USE CASE



Home



Second home





Router dual band

ESPECIFICATIONS

4G Router (CAT 6): Maximum 300 Mbps(DL)/50 Mbps(UL) (DL 150 Mbps / UL 50 Mbps)

2G / 3G / 4G connectivity

2.4Ghz and 5Ghz Wi-Fi

802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)

4 RJ45 WLAN/LAN Ethernet ports

1 RJ11 port for voice

5 status LEDs

2 SMA connectors for additional external antenna

Upgradeable via TR069 and FOTA

USE CASE



Home







Router 5G

ESPECIFICATIONS

5G and 4G connectivity
MTK T750 chipset
Memory 1GB RAM+1GB ROM
WiFi MT7915+MT7975
2.4G, 5.8G, DBDC
Protocal WiFi-6, 802.11a/b/g/n/ac/ax, Wi-Fidual band 2.4 GHz and 5 GHz
Full compliance with 3GPP 5G NR + 4G LTE TDD/FDD-LTE
5 status LEDs

USE CASE



Home









MiFi 4G

ESPECIFICATIONS

WiFi Mobile networks LTE Cat 4

Display of 1.44"

MicroSIMcardslot (3FF)

Processor Realtek 9192ES

Networks:

- · 2G 900/1800 Mhz
- · 3G 900/2100Mhz
- · 4G B1, 3, 5, 7, 8, 28, 39, 40, 41

WiFi b,g,n, ac (WiFi5) with 2.4Gh and 5Ghz Battery 5.200 mAh

USE CASE



Home



Second home





MiFi 5G

ESPECIFICATIONS

WiFi Mobile networks 5G

Display of 2,4" TFT 128*64

MicroSIM card slot (3FF)

Processor Mediatek MT6877

Networks:

- · 2G 900/1800 Mhz
- · 3G 900/2100Mhz
- · 4G B1, 3, 5, 7, 8, 28, 34, B38, B39, 40, 41
- 5G n1/n3/n5/n7/n8/n20/n28/n40/n41/ n77/n78/n79

WiFi b,g,n,ac, ax (WiFi 6) with 2.4Gh and 5 Ghz (4*4 MIMO) Battery 4.000 mAh

USE CASE



Home









MiFi 5G

ESPECIFICATIONS

WiFi Mobile networks 5G

Display of 2,4" TFT 128*64

MicroSIM card slot (3FF)

Processor Mediatek MT6877

Networks:

- · 2G 900/1800 Mhz
- · 3G 900/2100Mhz
- · 4G B1, 3, 5, 7, 8, 28, 34, B38, B39, 40, 41
- 5G n1/n3/n5/n7/n8/n20/n28/n40/n41/ n77/n78/n79

WiFi b,g,n,ac, ax (WiFi 6) with 2.4Gh and 5 Ghz (4*4 MIMO) Battery 4.000 mAh

USE CASE



Home



Second Home



Pymes



Dongle

ESPECIFICATIONS

USB transmitter;

Linux system;

5G WiFi module;

PC software coding;

Maximum support for 1080p30 coding

Low power consumption, 24-hours continuously screen projection steadily

Simply operate, one key directly to screen projection

Applicable System: Win7, Win8.1, Win10 and Mac OS 10.10 and above

Touch antidromic control (Windows 10 points; MAC OS single point)

USE CASE









Dongle

ESPECIFICATIONS

USB modem with USB port 2.0 type A for PC connection

Specifications

LED sindicators for 2G/3G/4G (differents colours)

MicroSIM card slot (3FF)

Processor ZTE ZX7520V3

Networks:

- · 2G 900/1800 Mhz
- · 3G 900/2100Mhz
- · 4G B1, 3, 5, 7, 8, 28, 39, 40, 41

Support AT commands

USE CASE



Home



Second home



Pymes



Media receiver

ESPECIFICATIONS

OS Android 11 (GMS)

8 directional microphones

Wi-Fi 2,4/5GHz

8Mpx camera with autofocus

Bluetooth 4.2

Operation form remote control

1 HDMI port

2 USB ports

USE CASE



Education



Leisure



Office



ESPECIFICATIONS

2G / 3G / 4G connectivity

3,5" colour screen

Wi-Fi 2.4GHz

Bluetooth and 3.5 jack connector for use with headphones

10 memory keys

Dedicated call functionality keys (hold, transfer and conference call)

Warning LED

Adjustable stand for 2 positions

Remote SW update via FOTA

Hotel software

USE CASE



Hotels



Health



Nursing home



ESPECIFICATIONS

2G / 3G / 4G connectivity

3,5" colour screen

Wi-Fi 2.4GHz

Supports HD Voice & VoLTE

Bluetooth 4.2 and 3.5 jack connector for use with headphones

10 speed dial keys

Dedicated call functionality keys (hold, transfer and conference call)

Warning LED: incoming call, mute and hands-free

Adjustable stand for 2 positions

Remote SW update via FOTA

USE CASE



Hotels



Health



Comecio



Automotive sector



Financial service





ESPECIFICATIONS

2G / 3G / 4G connectivity

5" color touch screen

OS Android 10 Open Source (possibility to install apk's)

VoLTE and VoWiFi support (including EC)

Wi-Fi 2.4GHz / 5GHz and hotspot

Bluetooth 5.0 for use with headphones and 3.5 jack

5 Mpx front-facing camera for video calls

15 on-screen speed dial keys

Dedicated keys for call functions (hold, transfer and conference call)

LED warning

Remote software update through FOTA

USE CASE



Hotels



Health



Retail Commerce



Automotive sector



Financial service





ESPECIFICATIONS

2G / 3G / 4G connectivity

Removable 8" LTE tablet with keyboard support

OS Android 10 (upgradeable)

GMS (Google) and Android Enterprise certified

Supports VoLTE, VoLTE enterprise and VoWiFi

Bluetooth 5.0

3.5 jack for use with headphones

Wi-Fi 2.4Ghz/5Ghz and Hotspot

Notification LED

Dedicated call functionality keys (hold, transfer and conference call)

Software update via FOTA

USE CASE



Hotels



Health



Retail Commerce



Automotive sector



Financial service





ESPECIFICATIONS

2G / 3G / 4G connectivity

10.1" IPS touch screen

Android 12 (GMS certification in process)

HD Voice, VoLTE and VoWiFi support

4GB RAM and 64GB ROM

2.4Ghz/5Ghz WiFi and Hotspot

Bluetooth 5.0 and Zegbee module (under development)

8MPx front camera

USE CASE



Hotels



Health



Retail Commerce



Automotive sector



Financial service





S Panel Interactivo

ESPECIFICATIONS

Different panel options 65"/75"/86"

Integrated touch

Writing method: finger or pencil

Wi-Fi 2.4GHz/5.0GHz (IEEE 802.11a/b/g/n 11ac)

Bluetooth 5.0

ANDROID SPECIFICATIONS:

- · RAM 4GB
- · ROM 32GB
- · Operating system: Android 11

OPS SPECIFICATIONS (OPTIONAL):

- · Intel Core i5 8400 processor
- · Integrated high-resolution Intel graphics card (supports dual graphics card)
- · RAM 16gGB
- · ROM 256GB
- · OS: Linux (customizable)



S Fanel Interactivo

ESPECIFICATIONS

Different panel options 65"/75"/86"

Integrated touch

Writing method: finger or pencil

Wi-Fi 2.4GHz/5.0GHz (IEEE 802.11a/b/g/n 11ac)

13Mpx autofocus front camera

8 omnidirectional microphones

Bluetooth 5.0

ANDROID SPECIFICATIONS:

- · RAM 8GB
- · ROM 64GB
- · Operating system: Android 11

OPS SPECIFICATIONS (OPTIONAL):

- · Intel Core i5 8400 processor
- · Integrated high-resolution Intel graphics card (supports dual graphics card)
- · RAM 16GB
- · ROM 256GB
- · OS: Linux (customizable)



Panel Interactivo

ESPECIFICATIONS

Different panel options 65"/75"/86"

Integrated touch

Writing method: finger or pencil

Wi-Fi 2.4GHz/5.0GHz (IEEE 802.11a/b/g/n 11ac)

Bluetooth 5.0

ANDROID SPECIFICATIONS:

- · RAM 4g
- · ROM 32g
- · Operating system: Android 11

OPS SPECIFICATIONS:

- · Intel Core i5 8400 processor
- · Integrated high-resolution Intel graphics card (supports dual graphics card)
- · RAM 16gb
- · ROM 256g
- · OS: Linux (customizable)



2 in 1 Notebook

ESPECIFICATIONS

2-in-1 laptop

11.6" touch screen

Allows 360° rotation

Intel Celeron Gemini Lake N4120 - quadcore 2.4GHz

OS: Windows 10 Pro (dual boot option with Linux)

Dual-band Wi-Fi and Bluetooth 4.2

Internal storage: 128GB SSD / RAM: 8GB DDR4

Type-C port, microHDMI, 2 usb 3.0 ports, microSD slot and jack 3.5

2Mpx front camera

5,000 mAh battery

USE CASE



Education



Leisure





2 in 1 Notebook

ESPECIFICATIONS

2-in-1 laptop

11.6" touch screen

Allows 360° rotation

Intel Celeron Gemini Lake N4120 - quadcore 2.4GHz

OS: Windows 10 Pro (dual boot option with Linux)

Dual-band Wi-Fi and Bluetooth 4.2

Internal storage: 128GB SSD / RAM: 8GB DDR4

Type-C port, microHDMI, 2 usb 3.0 ports, microSD slot and jack 3.5

2Mpx front camera 5,000 mAh battery

USE CASE



Education



Leisure





Notebook

ESPECIFICATIONS

14.1" screen

Intel Celeron Gemini Lake - quadcore 2.7 GHz

OS: Windows 10 Pro (can include Linux)

Dual band Wi-Fi and Bluetooth 4.2

Internal storage: 256GB

RAM: 8GB DDR4

1 microHDMI port, 2 USB 3.0 ports and jack 3.5

2Mpx front camera (HD resolution)

4.000 mAh battery (autonomy between 6 and 8 hours approximately)

USE CASE



Education



Leisure





Notebook

ESPECIFICATIONS

14.1" screen

Intel UHD Graphics 800MHz (N5100)

OS: Windows 10 Dual Band Wi-Fi and Bluetooth 4.2

SSD: 256GB (optional 512GB)

RAM: LPDDR4X 8GB (optional 16GB)

1 MicroSD port, HDMI, 2 USB ports and 3.5 jack

Front Camera: 200W (USB protocol) Camera Switch: Software Control

6,500mAh battery

USE CASE



Education



Leisure





Notebook

ESPECIFICATIONS

15.6" screen

CPU: TigerLake U i5-1135G7 (CPU Mark 10056)

GPU: Intel® Iris® Xe Graphics(1135G7)

Windows 11 Academic

RAM LPDDR4X 8GB

ROM 256GB/SSD

Wi-Fi 802.11ac/b/g/n and Bluetooth 5.0

1 microHDMI port, 2 USB 3.0 ports, HDMI Type A, USB Type C and jack 3.5

2Mpx front camera

4.000 mAh battery (autonomy 8 hours approximately)

USE CASE



Education



Leisure





Cable headsets

ESPECIFICATIONS

Mono headphones Noise canceling microphone Synthetic leather earmuff Cable length 1.5m Quick disconnect system

USE CASE



Education





Office



Bluetooth headsets

ESPECIFICATIONS

Headphones suitable for professional environments

Bluetooth 5.0

180mAh battery

Autonomy of up to 17 hours of use via bluetooth

Range of more than 10 meters

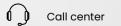
Charging time: 2 hours

Duration in standby over 200 hours

USE CASE



Education







Hub

ESPECIFICATIONS

HDMI 1 (4K/60Hz)

RJ451 (1 / 100 / 1000 Mbps)

USB-C1

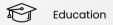
USB 3.0 3

USB 2.0 2

SD + TF 2.0 1

Type C cable 15 cm

USE CASE









Micrófono altavoz

ESPECIFICATIONS

8 array microphones, 6m pickup radius Signal to Noise Ratio >75dB Frequency Range 80Hz~18kHz interface USB Type-C Button Physical buttons, Touch buttons LED Indicator light Light bar LED Battery capacity 3.7V/4400mAh

USE CASE



Education





Office



Cámara full HD

ESPECIFICATIONS

Full HD 1/2.8", CMOS, 2.07M Pixel

Video System: 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50

Progressive Scanning

12x Optical Zoom

192x Total Zoom (16x Digital)

OS Windows 7, Windows 8, Windows 10, Windows 11, Mac OS X, Linux, Android

Horizontal Angle of View :72.5°~ 6.9° Vertical Angle of View: 44.8°~ 3.9°

Diagonal Angle of View: 85.2°

USE CASE



Education





Office



Power Charger 7Kw

ESPECIFICATIONS

Rated power: 22kW / 11kW / 7,4kW

Input voltage: 400V AC (22kW / 11kW) / 230V AC (7,4kW)

Input current: 32A (22kW / 7,4kW) / 16A (11kW)

Output voltage: 400V AC (22kW / 11kW) / 230V AC (7,4kW)

Output current: 32A (22kW / 7,4kW) / 16A (11kW)

Charging connector: Type 2 (Mennekes)

Cable lenght: 4,5m

Charging mode: Mode 2

LED RGB indicator

Connectivity: OCPP 1.6J+, 4G, Wi-Fi, BLE

APP Android & iOS



Power Charger 11Kw

ESPECIFICATIONS

Rated power: 2 x 22kW / 2 x 11kW / 2 x 7,4kW

Input voltage: 400V AC (2 x 22kW / 2 x 11kW) / 230V AC (2 x 7,4kW)

Input current: 32A

Output voltage: 400V AC (2 x 22kW / 2 x 11kW) / 230V AC (2 x 7,4kW)

Output current: 32A

Charging socket: 2 x Type 2 (Mennekes)

Charging mode: Mode 2

LCD Display 5"

Connectivity: OCPP 1.6J+, 4G, Wi-Fi, Ethernet.

APP Android & iOS



AD HOC DEVELOPMENTS S.L.

info@adocdv.com

Calle Mariano Barbacid, 5 Planta 3ª Office 7 28521 Rivas Vaciamadrid · Madrid