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# LTE Nano

Critical LTE Communications  
Anywhere

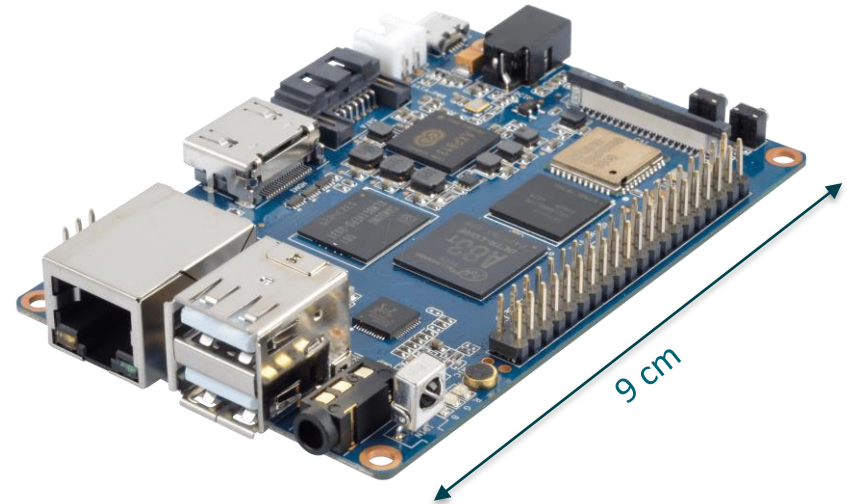
Telefónica S.A.



# An LTE Network in 40 grams of HW

## An LTE Network that can fit anywhere

- At Telefónica España we have successfully tested the ability for a minimum HW board to run **a virtualized LTE network, including Data and Voice communications.**
- This innovation will enable a whole new set of **exclusive LTE services for small and medium companies**, as well as tactical and emergency deployments, where the need for high quality , personalized and portable communications are ever growing.



# Three Sample Scenarios for the LTE Nano



**WE CHOOSE IT ALL\_**



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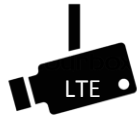
# LTE Nano for Rescue Teams



# Portable LTE Comms for Rescue Teams



# LTE Nano for Retail





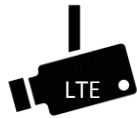
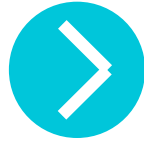
# LTE quality access to retail intranets

## Interference free wireless communications for Retail

- Retail use a whole variety of wireless communications in stores: from POS terminals, to digital signage screens, sales video streaming, security monitoring cameras and access to backend retail applications.
- Customers say that WiFi communications are proving not to be 100% reliable, due to saturation of WiFi spectrum and the excess of interferences everywhere.
- A private LTE access in licensed spectrum guarantees the availability and quality of the in store services, when wireless communications are needed.



# LTE Intranets for Small Office

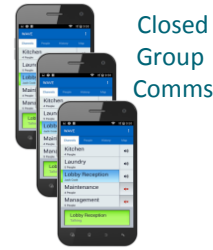




# LTE quality access to Small Offices

## Corporate Services for Small Clients

- Small offices suffer as well from lack of reliable wireless communications to access local networks and infrastructure, specially when located in cities and very populated areas.
- Big Corporate solutions are not usually affordable for the requirements of Small Offices.
- LTE Nano networks offer high quality and private LTE communications, with all the quality and service assurance of LTE, but with the right scale for small companies.



Private LTE Access to intranet Services and Data

LTE Radio with LTE Nano Net



Video Surveillance and Sensors Data (warehouses)



Support for high concurrency of devices with no quality loss

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