



We are the link
between the real and
the digital world.

Smart entrance counter solution enabled by XENSIV™ 60 GHz radar sensor

Infineon's virtual show 2020



Entrance counter – Introduction

Infineon Entrance Counter with 60 GHz XENSIV™ Radar inside provides visibility of the number of people entering, leaving, and inside a facility

The ability to measure and analyse the human traffic in your location is part of understanding and managing your business further, such as understanding peak times, heavy traffic routes, and customer shopping habits

+ COVID-19



"Where people come together in crowds, you are more likely to come into close contact with someone that has COVID-19"

World Health organisation May 2020

Entrance counter solution based on Infineon 60 GHz radar

Solution High-level introduction

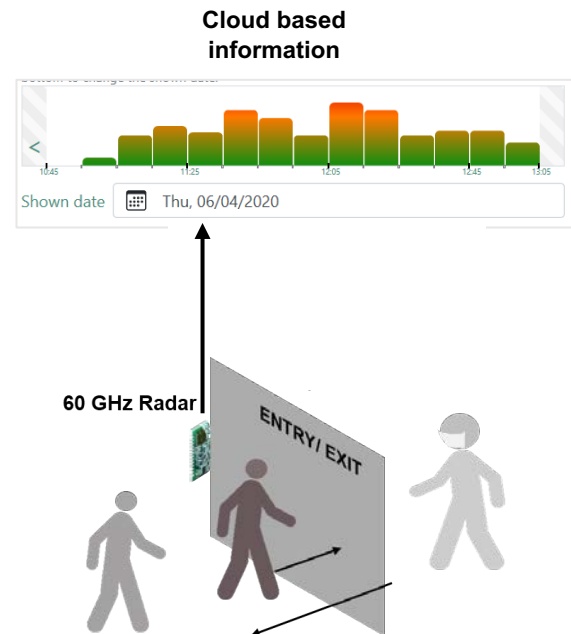
- › Solution **accurately counts people** moving in and out of entrance with **one single sensor**
- › Provide information **how many people are inside a facility** any time
- › **Prevents overcrowding** and therefore supports **social distancing**

Already operational

Solution already successfully installed at Infineon Headquarters Restaurant (seat capacity 1000 people)

- › Counts people moving in and out of canteen
- › Provides Green "Go-Ahead" if entering is allowed
- › Cloud based information how crowded the canteen currently is
- › Video: [here](#)

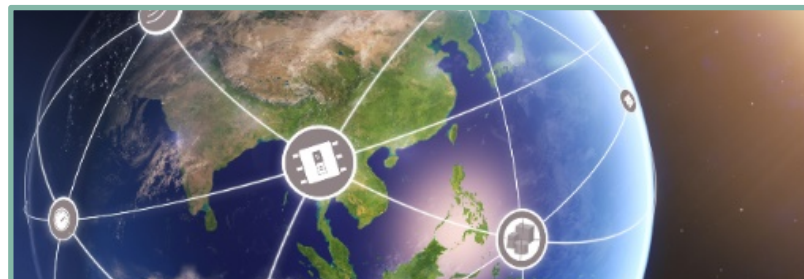
(Visible for IFX Employees)



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Target use cases

- › Retail & restaurants (to ensure max number of people inside)
- › Smart buildings (building mgmt/ control)
- › Meeting room occupancy
- › Office space occupancy (free seats available?)



Evaluation Board available

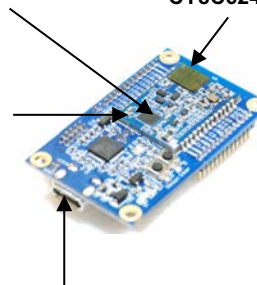


BGT60TR13C
60GHz XENSIV™ Radar



Cypress
CY8C6247FDI-D02T

15mmx20mm detachable
form factor board with 60
GHz radar

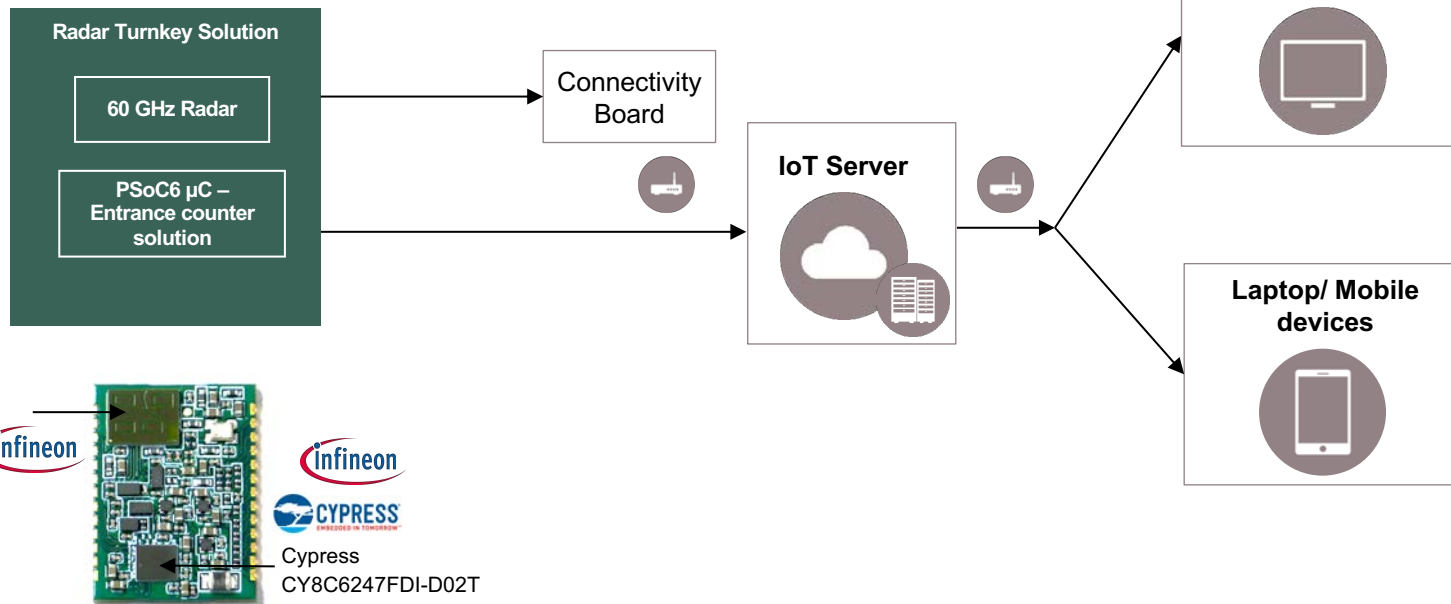


Motherboard for configuration

Entrance Counter – Turnkey Solution

Infineon Turnkey Solution

Customer Platform





Part of your life. Part of tomorrow.