

A121

Pulsed Coherent Radar

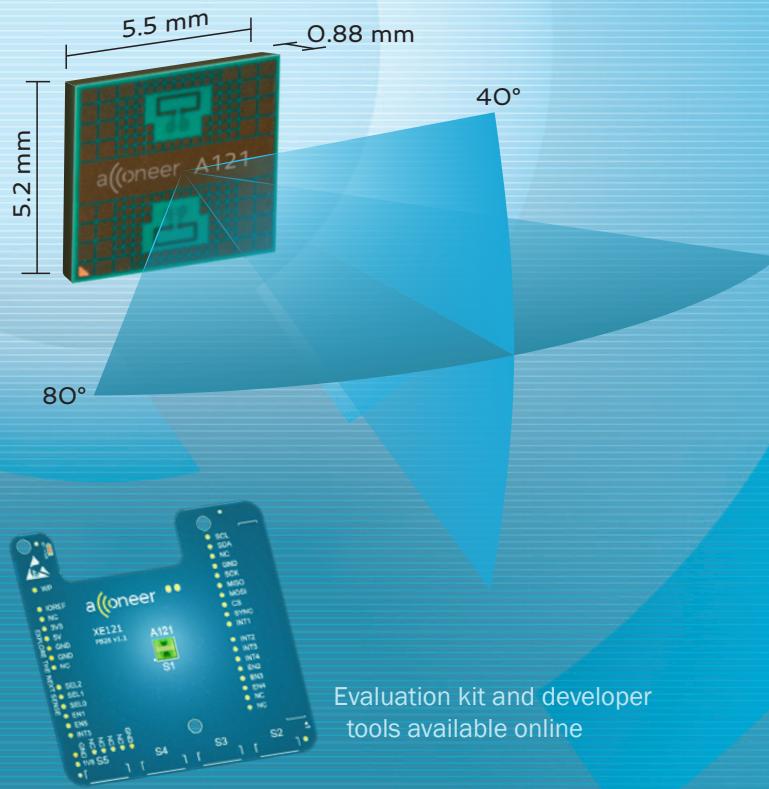
EXPLORE THE NEXT SENSE

The A121 Pulsed Coherent Radar (PCR) sensor is optimized for high precision measurement and detection – with a small footprint and ultra-low power consumption.

The A121 PCR is based on cutting-edge patented sensor technology with picosecond time resolution and sub-mm accuracy. Depending on use case, distances up to 20 meters can be measured.

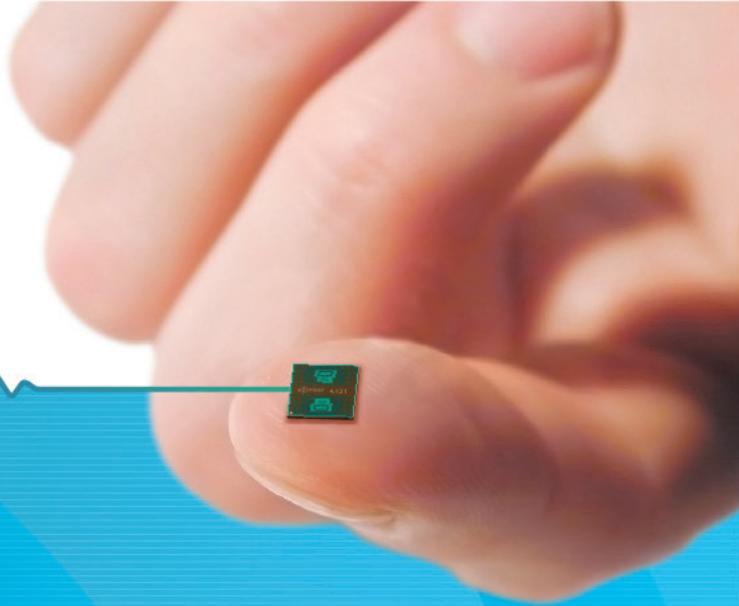
Due to its small footprint, the A121 PCR can be easily integrated into any portable battery-driven device, without any need for aperture.

The A121 radar sensor is not compromised by any natural source of interference, such as noise, dust or light.



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APPLICATIONS



CONSUMER ELECTRONICS

- Smart presence – Human presence and motion detection
- Robotics – Material classification and object detection
- Vital signs detection
- Gesture control and touchless buttons



IoT & SMART CITIES

- Parking solutions
- Level monitoring
- Liquid surface velocity measurement
- Structural integrity
- People counting



INDUSTRIAL & AGRICULTURE

- Proximity and distance sensing
- Vibration measurement



AUTOMOTIVE

- In-cabin monitoring
- Access control and human interaction

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