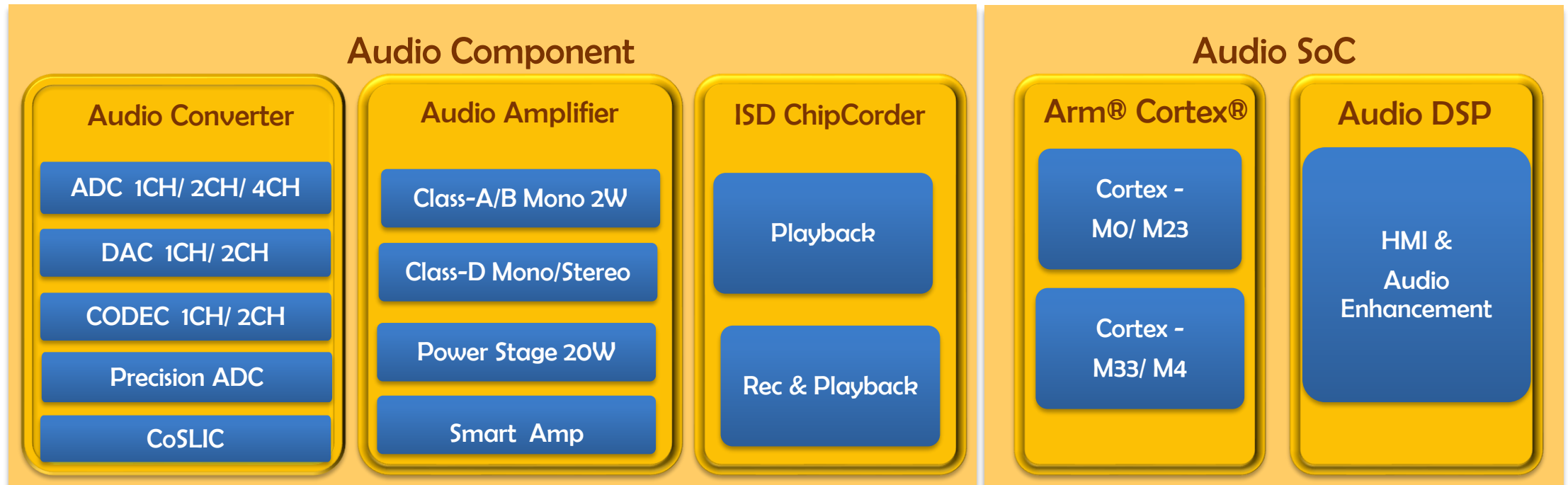
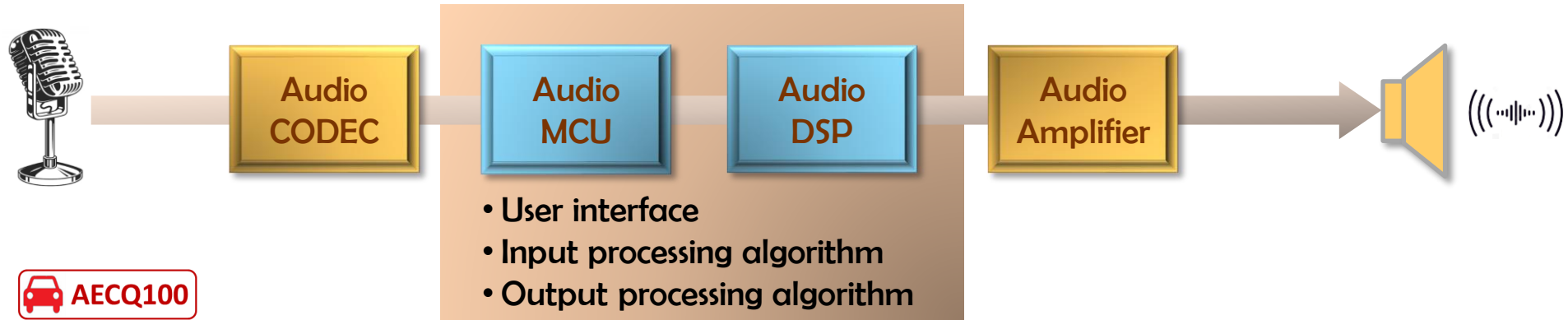


# Nuvoton Audio Solutions Introduction

Q1-2024  
Erik Lin

Joy of innovation  
**NUVOTON**

# Nuvoton Audio Products & Solutions



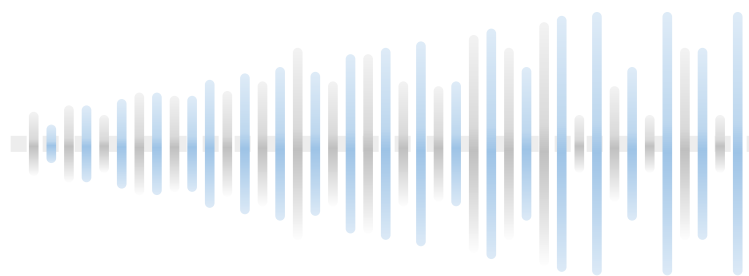
# Track Records

- An Automotive Certified Supplier
- More than 1 Billion devices sold
- Designed into Fortune 500 companies and market leaders - Automotive, Computing, Industrial, Consumer, Education, .....

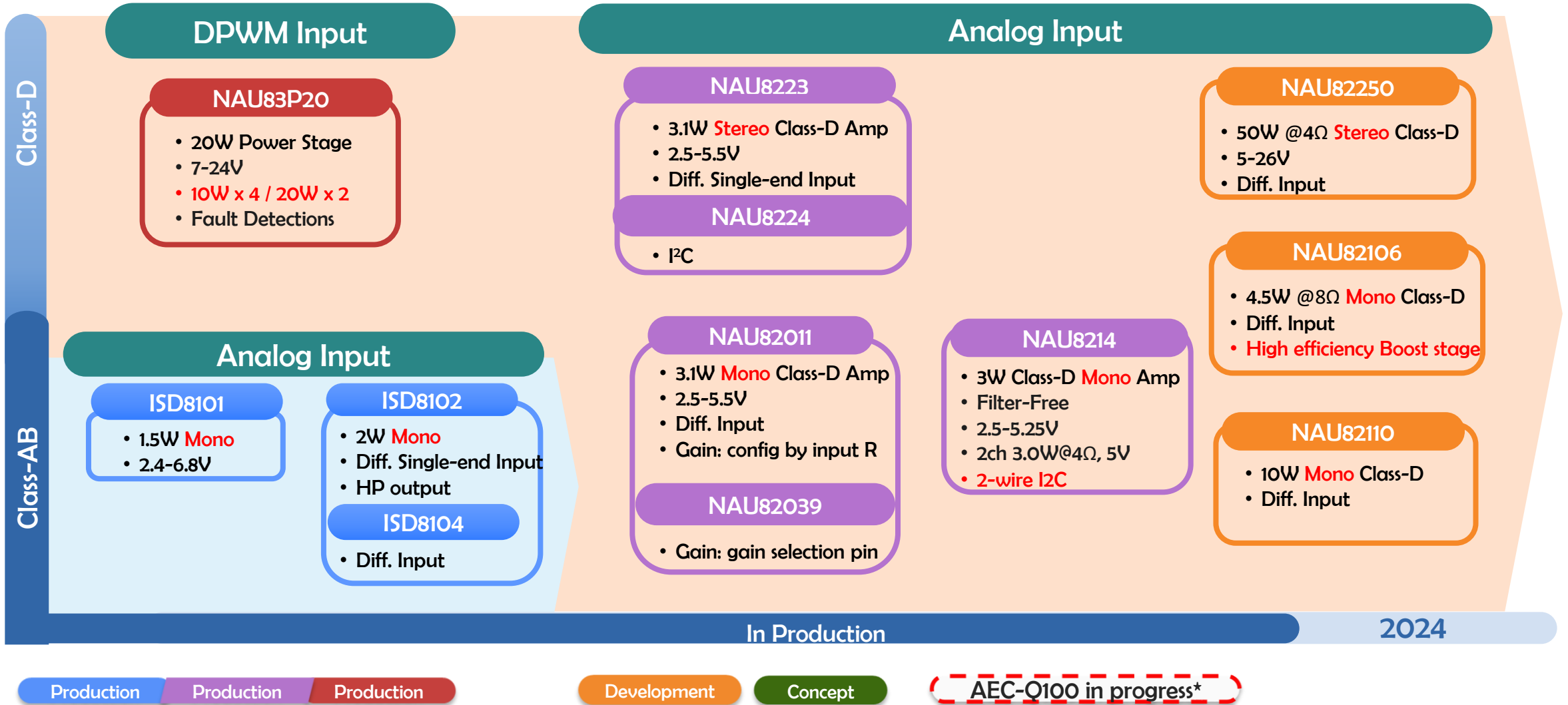


# Audio Amplifier

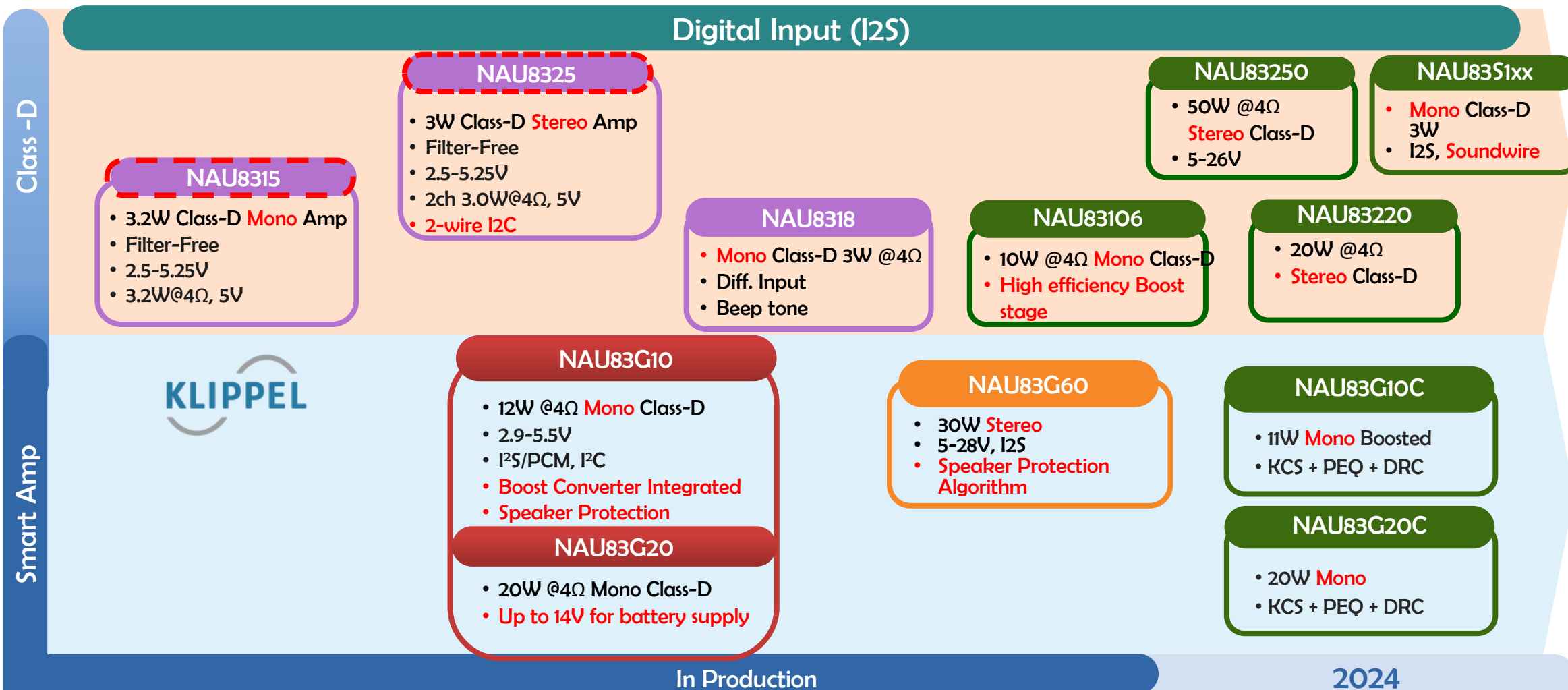
- Class-AB
- Class-D
- Smart Amp
- $2V_{\text{rms}}$  Line Driver



# Audio Amplifier Roadmap



# Audio Amplifier Roadmap



Production

Production

Production

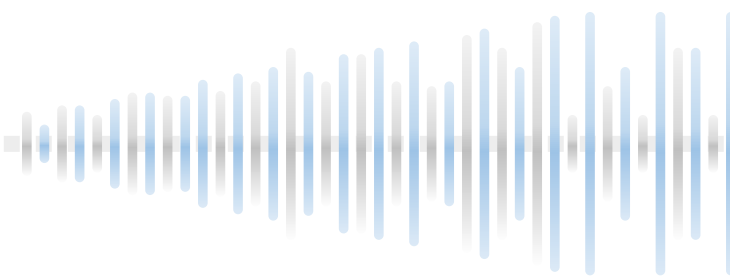
Development

Concept

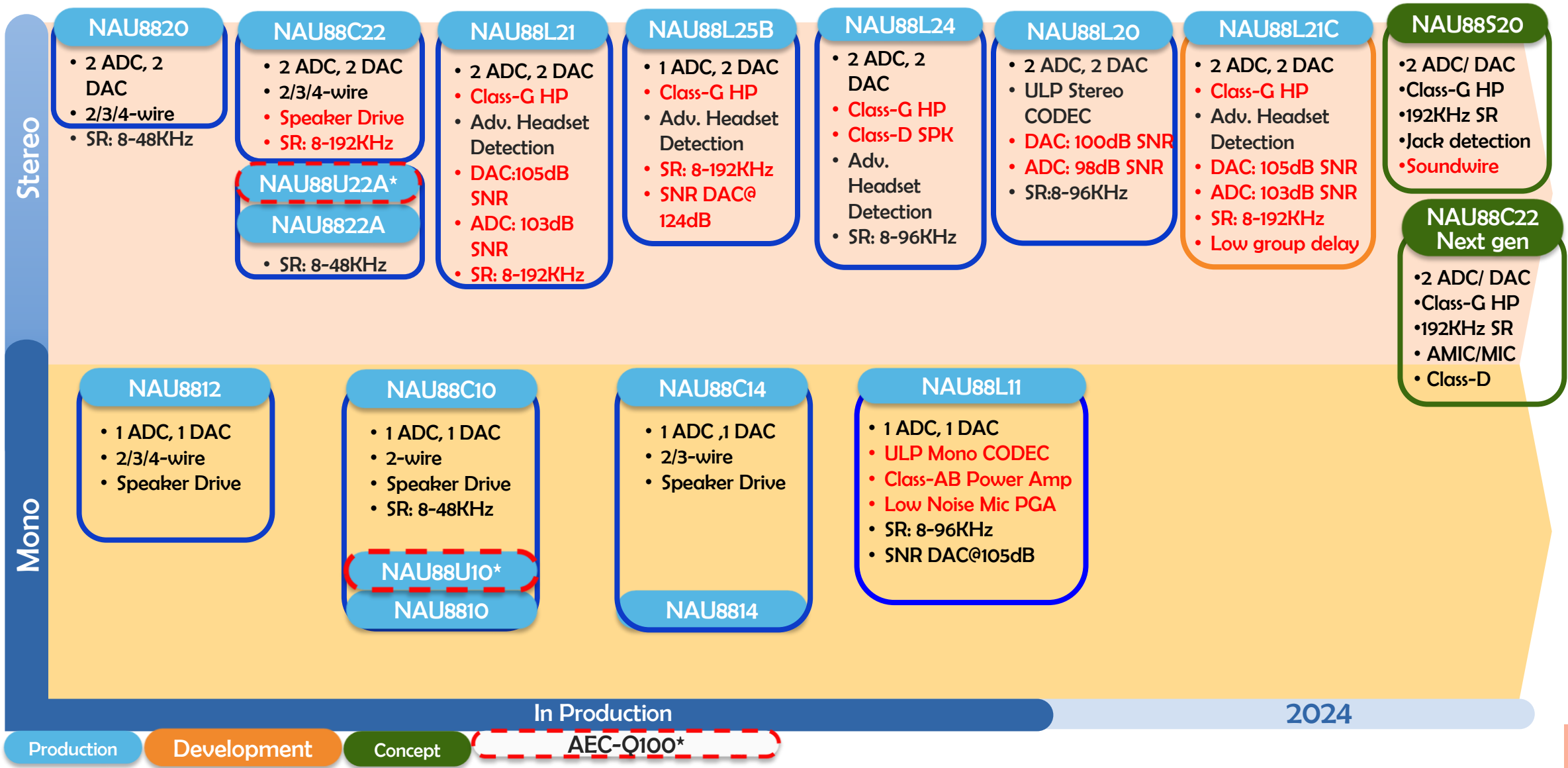
AEC-Q100 in progress\*

# Audio Converter

- Audio CODEC
- Audio ADC/DAC
- Precision ADC
- Voiceband CODEC

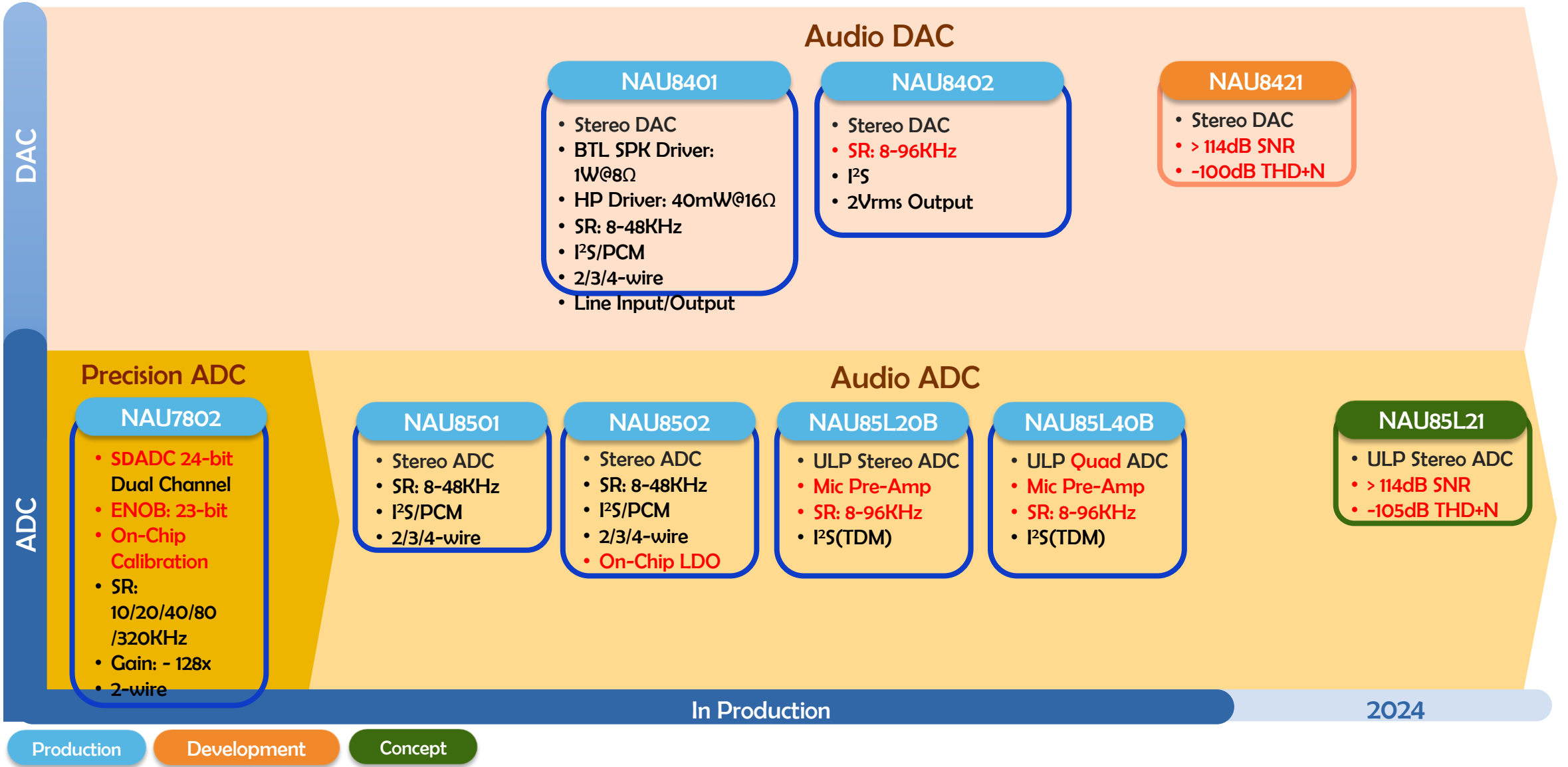


# Audio CODEC Roadmap



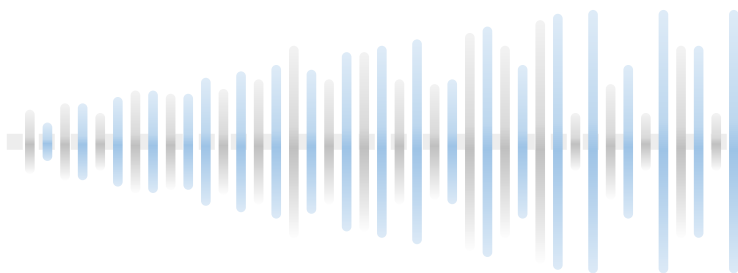


# Audio ADC/DAC Roadmap

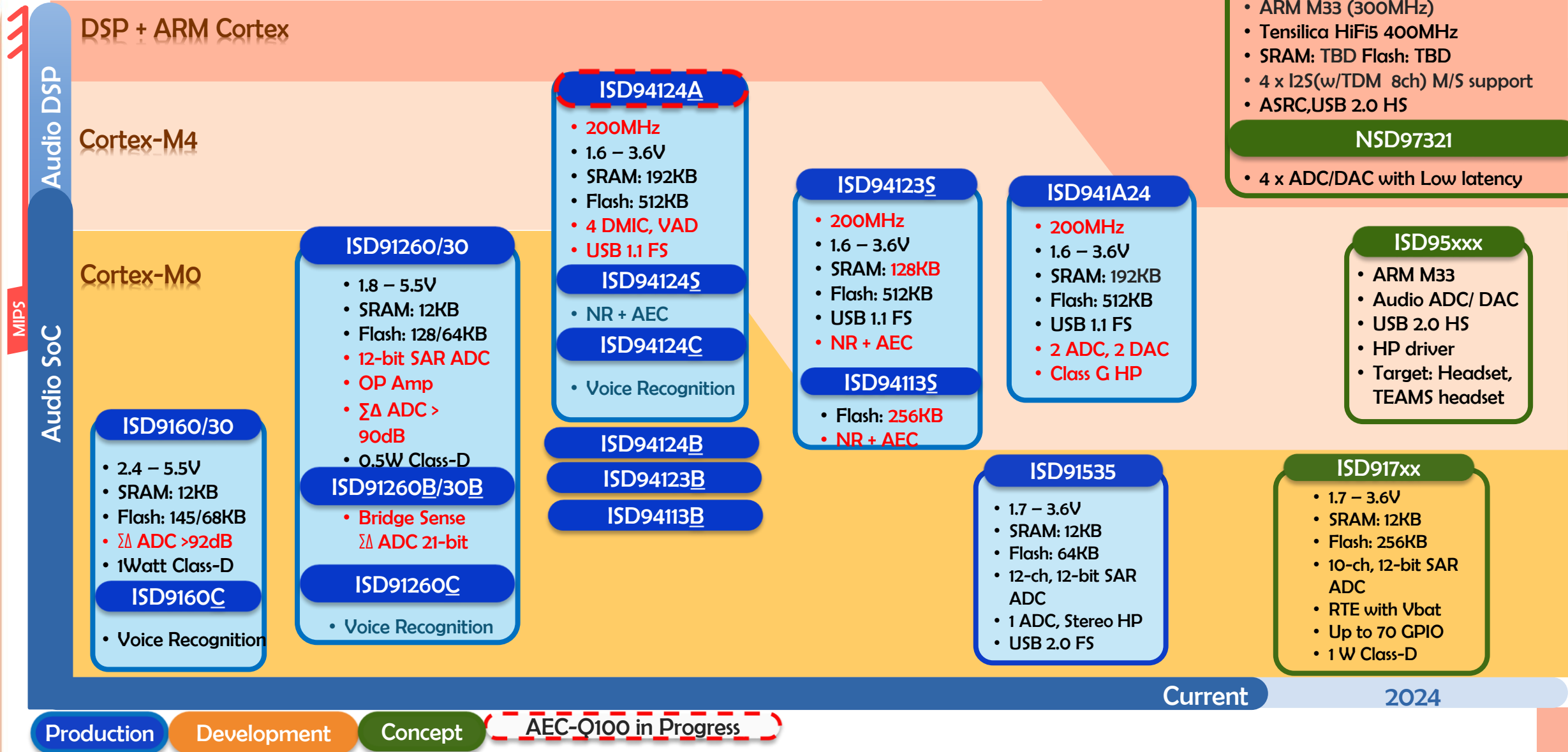


# Audio SoC

- DSP + ARM®
- ARM® Cortex®-M4
- ARM® Cortex®-M0

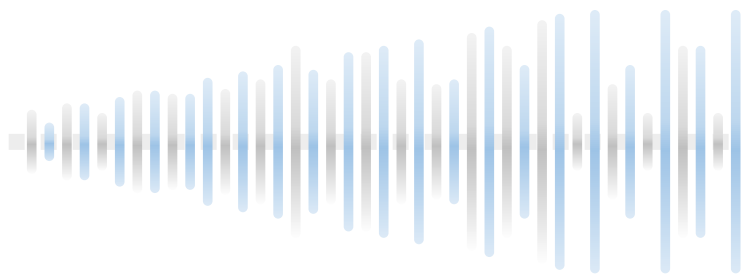


# Audio SoC Roadmap

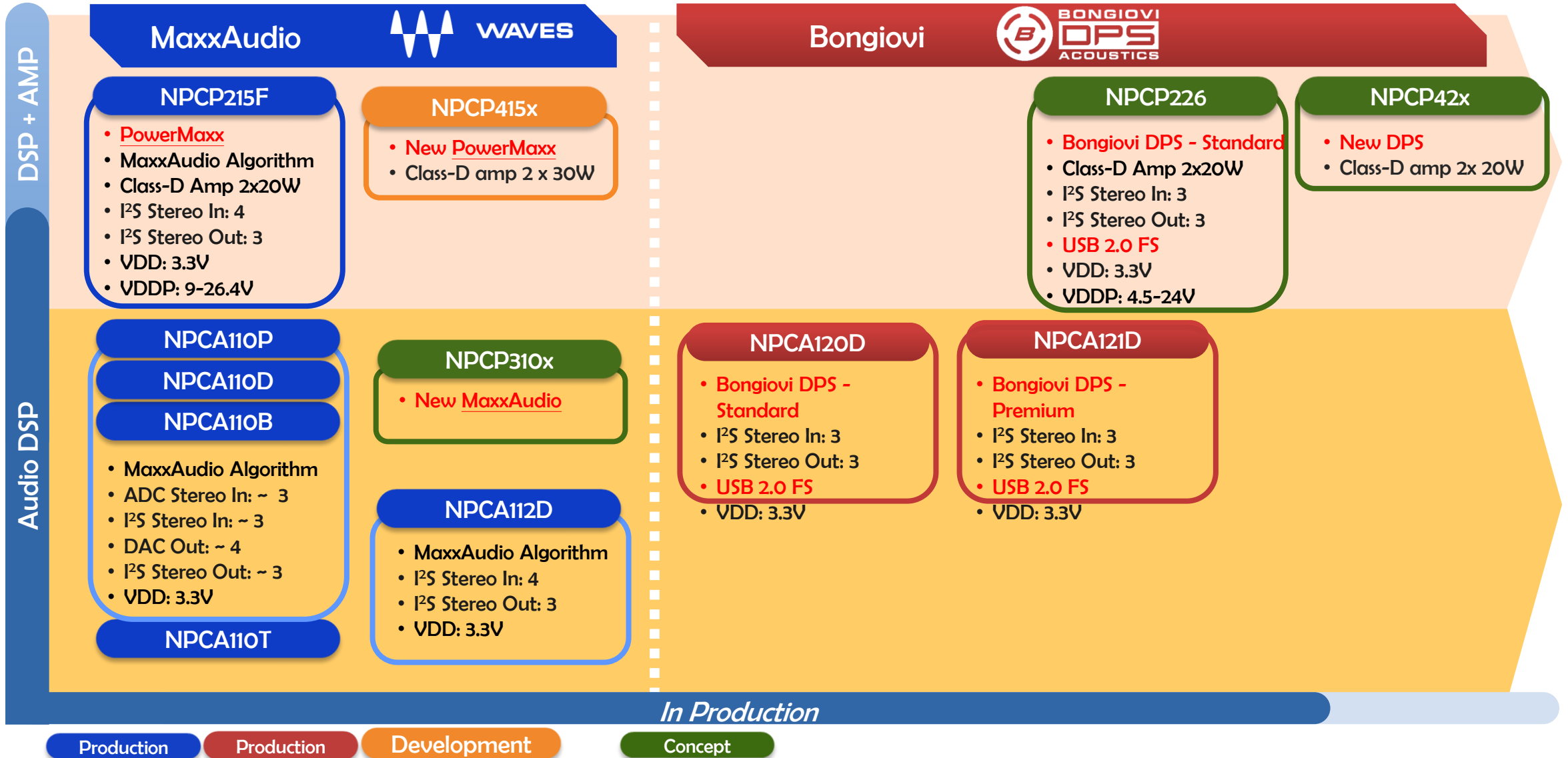


# Audio Enhancement

- Audio Enhancement - MaxxAudio
- Audio Enhancement - Bongiovi



# Audio Enhancement Roadmap



# Audio Enhancement - MaxxAudio

## About Waves (Sound matters )

- Waves is the market leader for pro audio tools in past 20+ years
- It is the industry's highest standard for sound design (music & cinema) tools
- Waves award - winning technology is utilized in many hit records, movies, and video games



# Application - Wearable Speakerphone

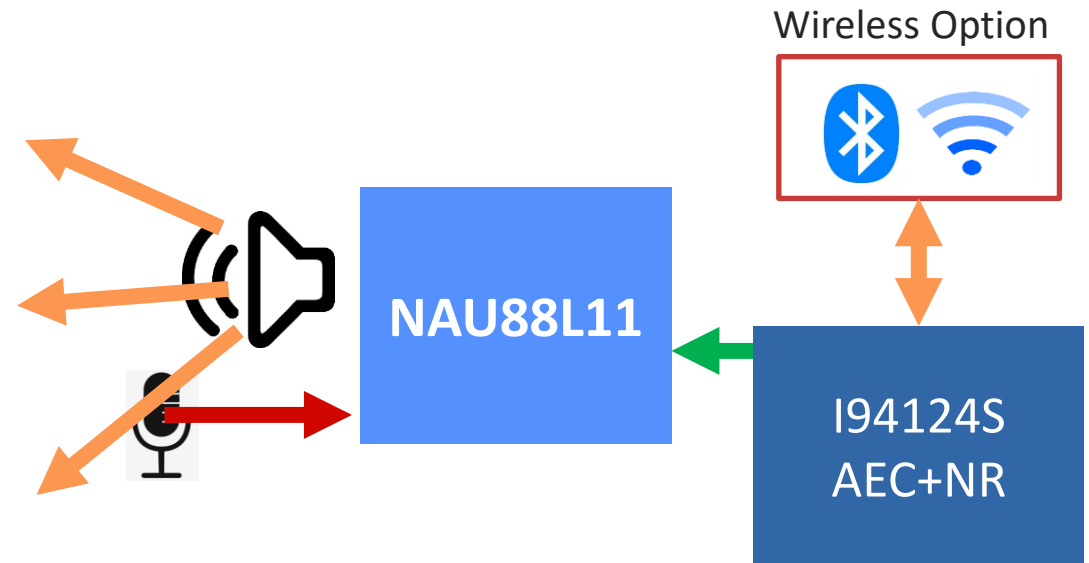
NAU88L11 Mono CODEC + ISD94142S based AEC + NR

## Wearable Speakerphone



- Additional Amp through Nuvoton Amp Selection

## Personal Emergency Response Sys. (PERS)

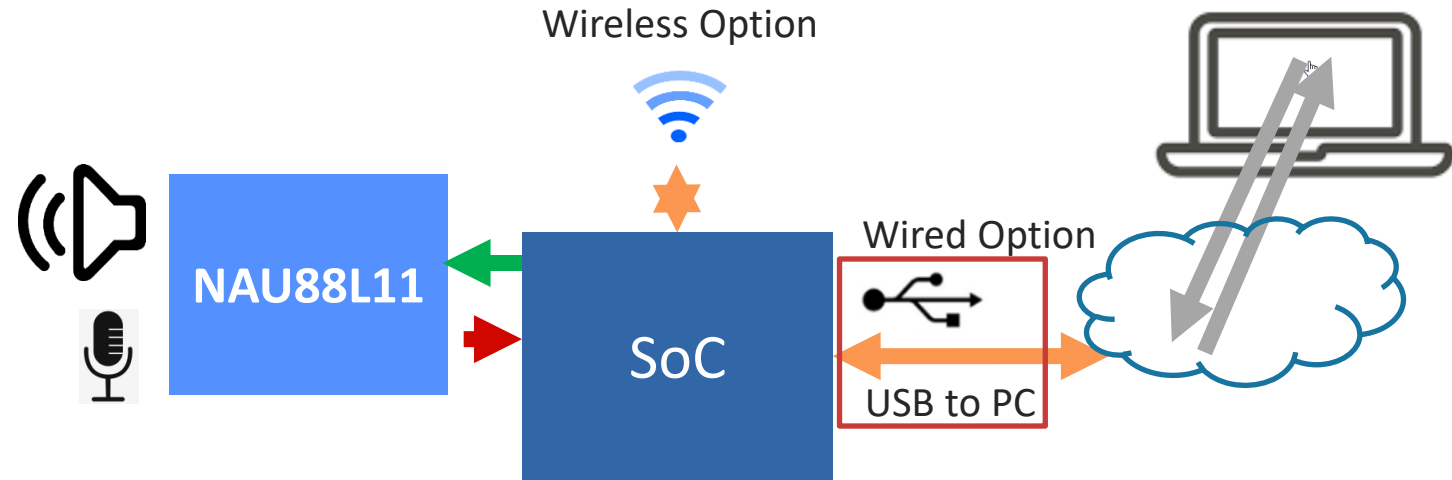


# Application - Door Bell, Intercom

## NAU88L11 Mono CODEC

### Intercom Type Products

- High quality audio ADC & DAC
- Analog & Digital Mic input
- Speaker out /Line Out

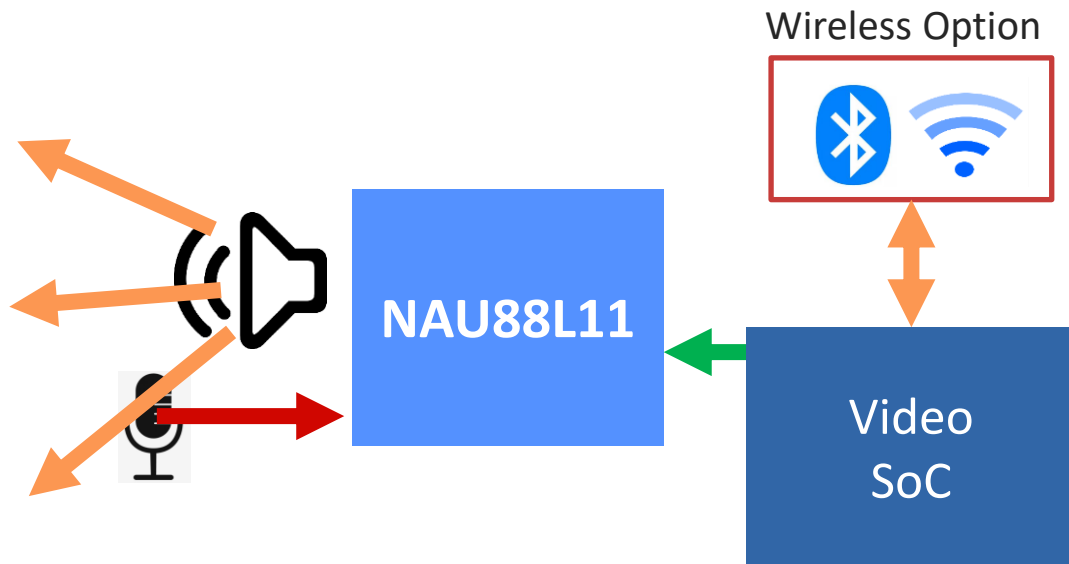




# Application - Video Monitor & Portable Recorder

## NAU88L11 Mono CODEC

- Surveillance Camera
- Personal entertainment
- Recording pen
- Language translation machine



Joy of innovation  
**nuvoTon**

谢谢

謝謝

Děkuji

Bedankt

Thank you

Kiitos

Merci

Danke

Grazie

ありがとう

감사합니다

Dziękujemy

Obrigado

Спасибо

Gracias

Teşekkür ederim

Cảm ơn