

Introduction to ITE SoC

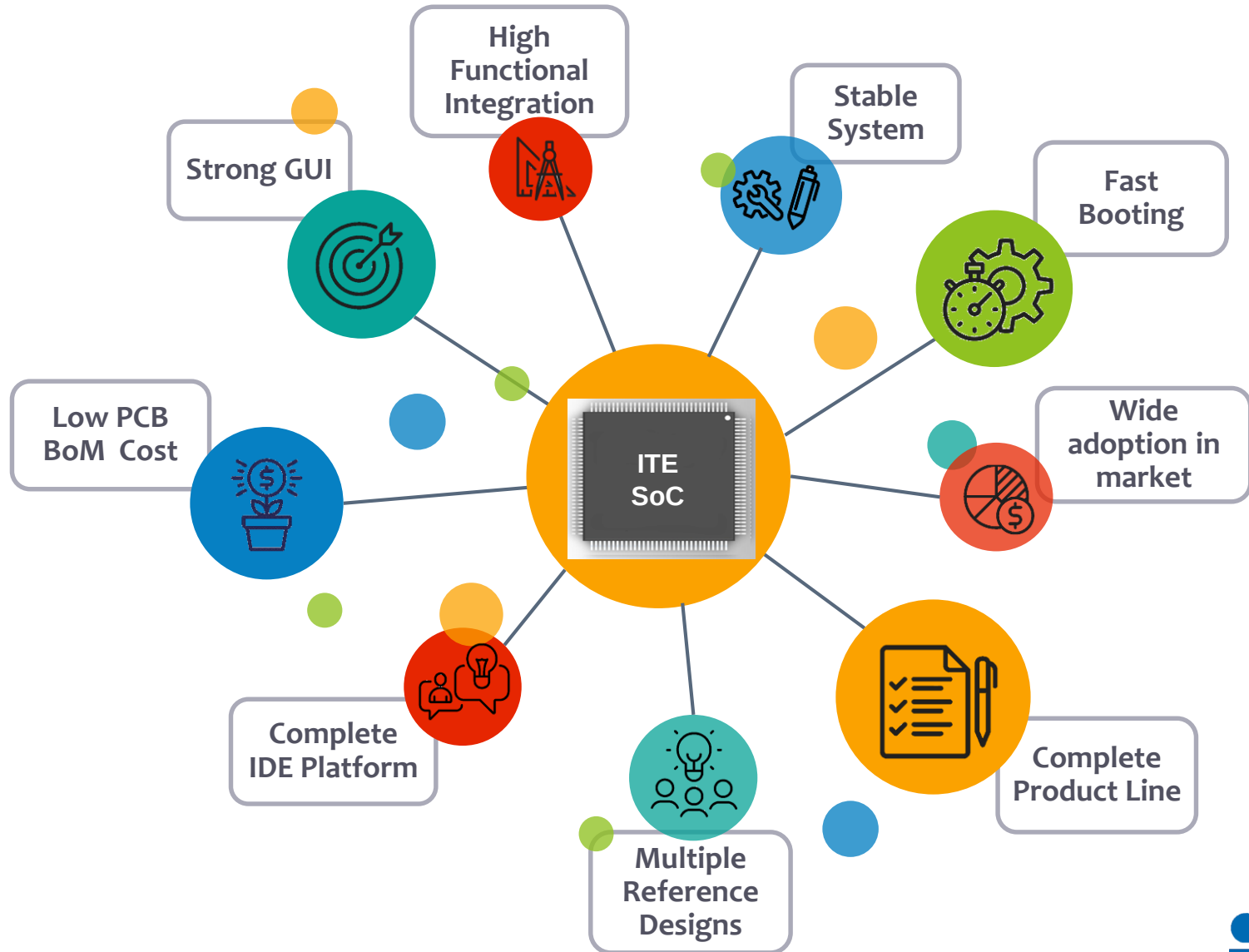
IT986x Series

SoC: System on chip

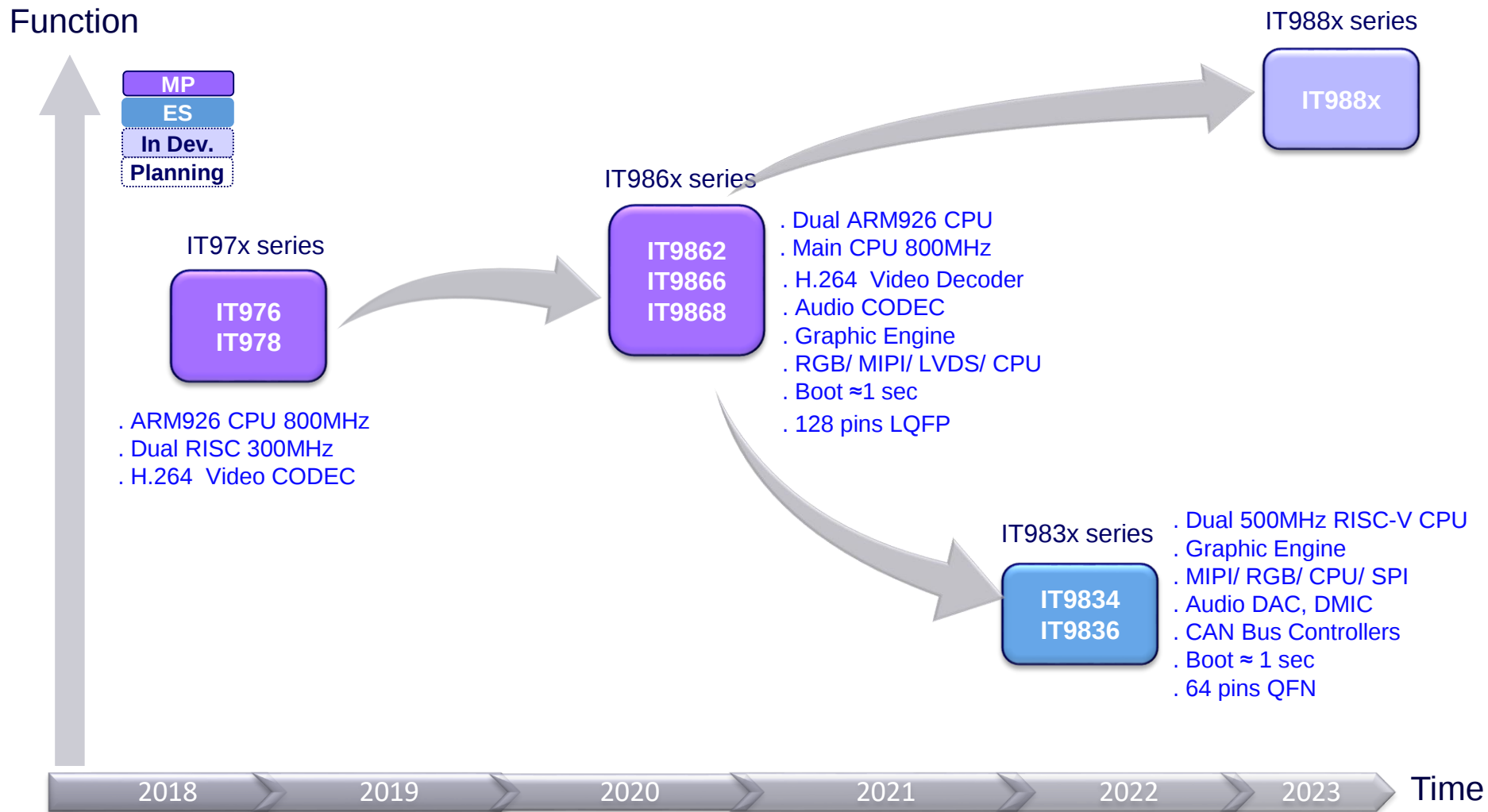
IDE: Integrated Development Environment



ITE SoC Product Line Features



ITE SoC (Industrial Grade) Roadmap



ITE SoC (Automotive Grade) Roadmap

Function

MP
ES
In Dev.
Planning

IT9862-AT
IT9868-AT

- . AEC Q100
- . Dual ARM926 CPU
- . Main CPU 800MHz
- . Second CPU 400MHz
- . H.264 Video Decoder
- . Audio CODEC
- . Graphic Engine
- . RGB/ MIPI/ LVDS/ CPU
- . Two CAN Bus Controllers
- . Boot ≈1 sec
- . 128 pins LQFP

TBD

- . AEC Q100
- . ISO26262

2021

2022

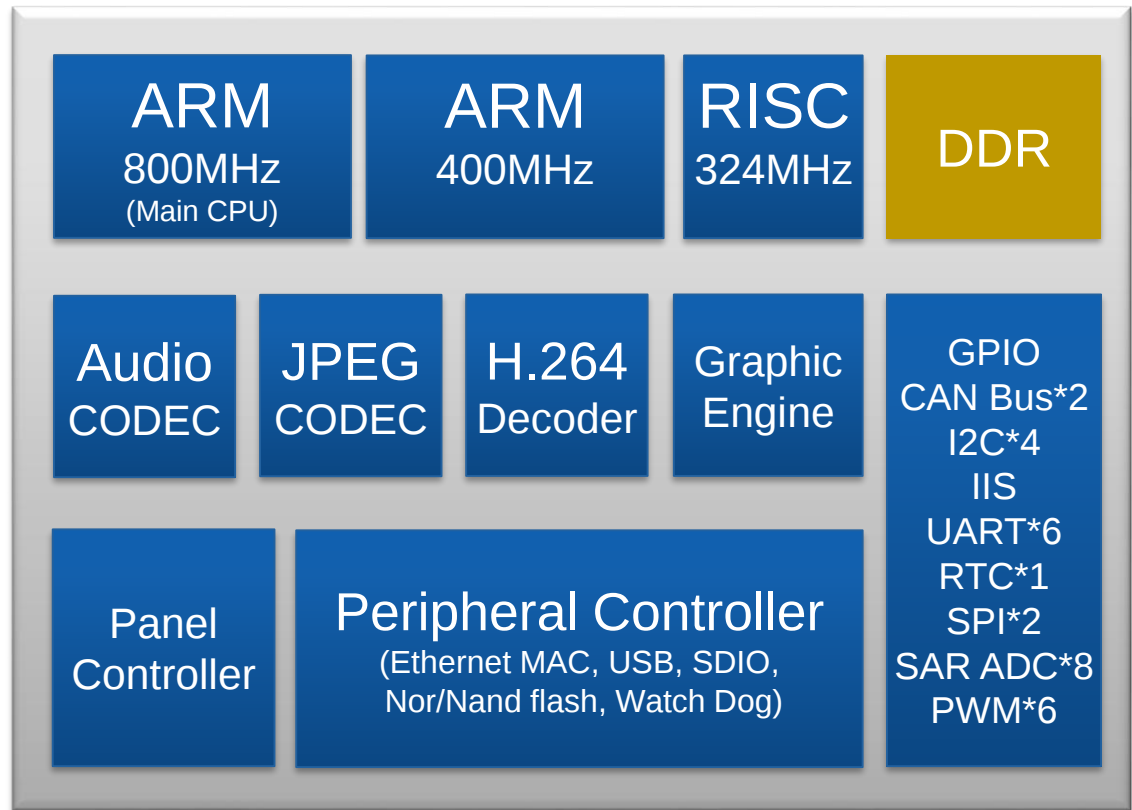
2023

2024

Time

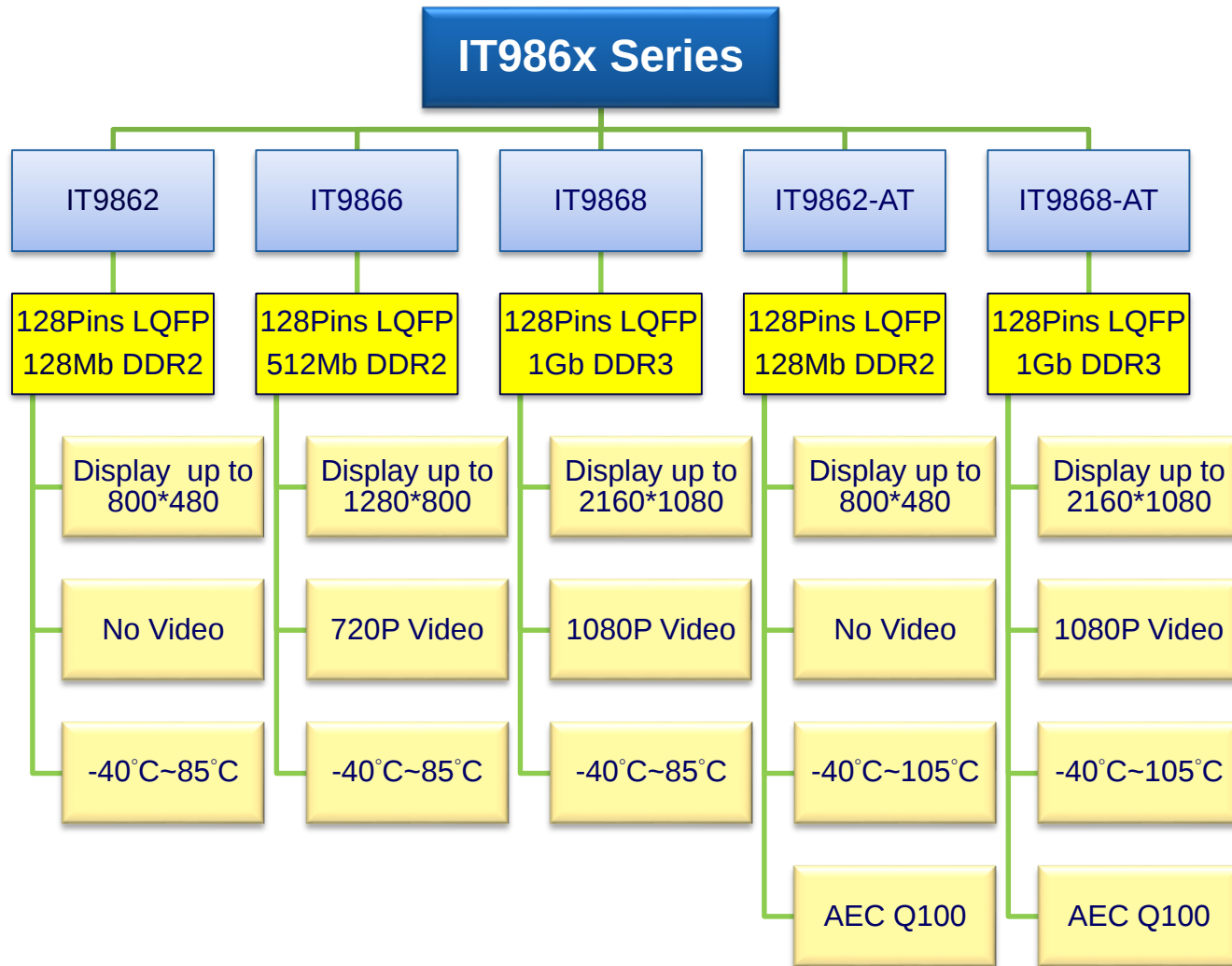
IT986x Function Block

- Dual ARM CPU
- Main CPU 800MHz
- H.264 Decoder Up to 1080P
- Panel Interface:
RGB/ MIPI/ LVDS/
CPU
- Panel resolution up to
2160*1080
- CAN Bus Controller
- Graphic Engine
- 128 Pins LQFP



IT986x SoC Series Application

IT986x All Pin compatible



※ Resolution depends on the complexity of UI design.

Application(1): Home Appliances



**Washing
Machine**



Refrigerator



Range Hood



Oven



**Water
Dispenser**



**Coffee
Machine**

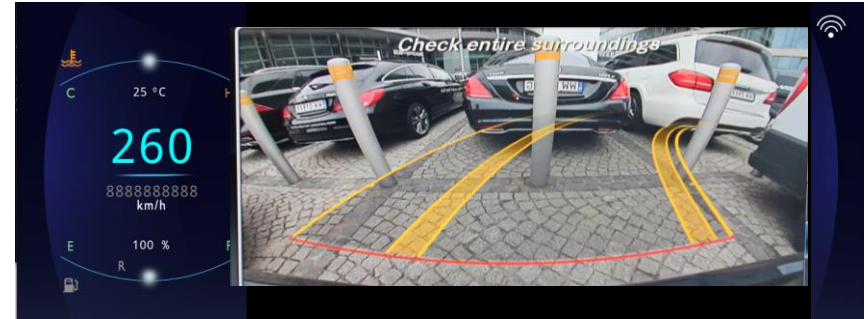


Thermostat



Rice Cooker

Application(2): Instrument Cluster



Motorcycle



E-Bikes



Car



Truck



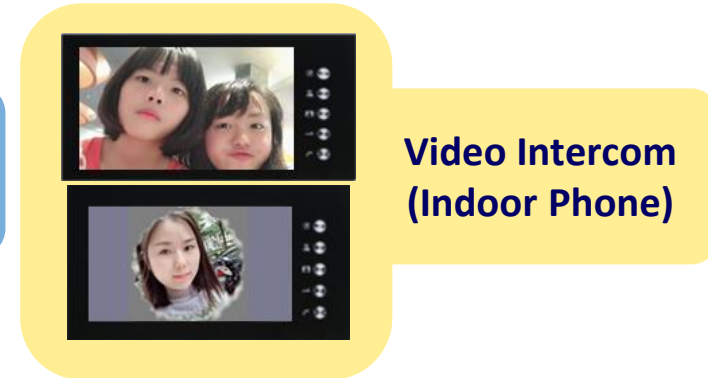
Bus



Engineering Vehicle

※ The photos are for reference only

Application(3): Smart Building



※ The photos are for reference only

Application(4): Sports Equipment



Treadmill



Massage Chair



Exercise Bike

Application(5): Others



Electronic Scale



Standard HMI Module



Baby Monitor Display



e-Price Displayer



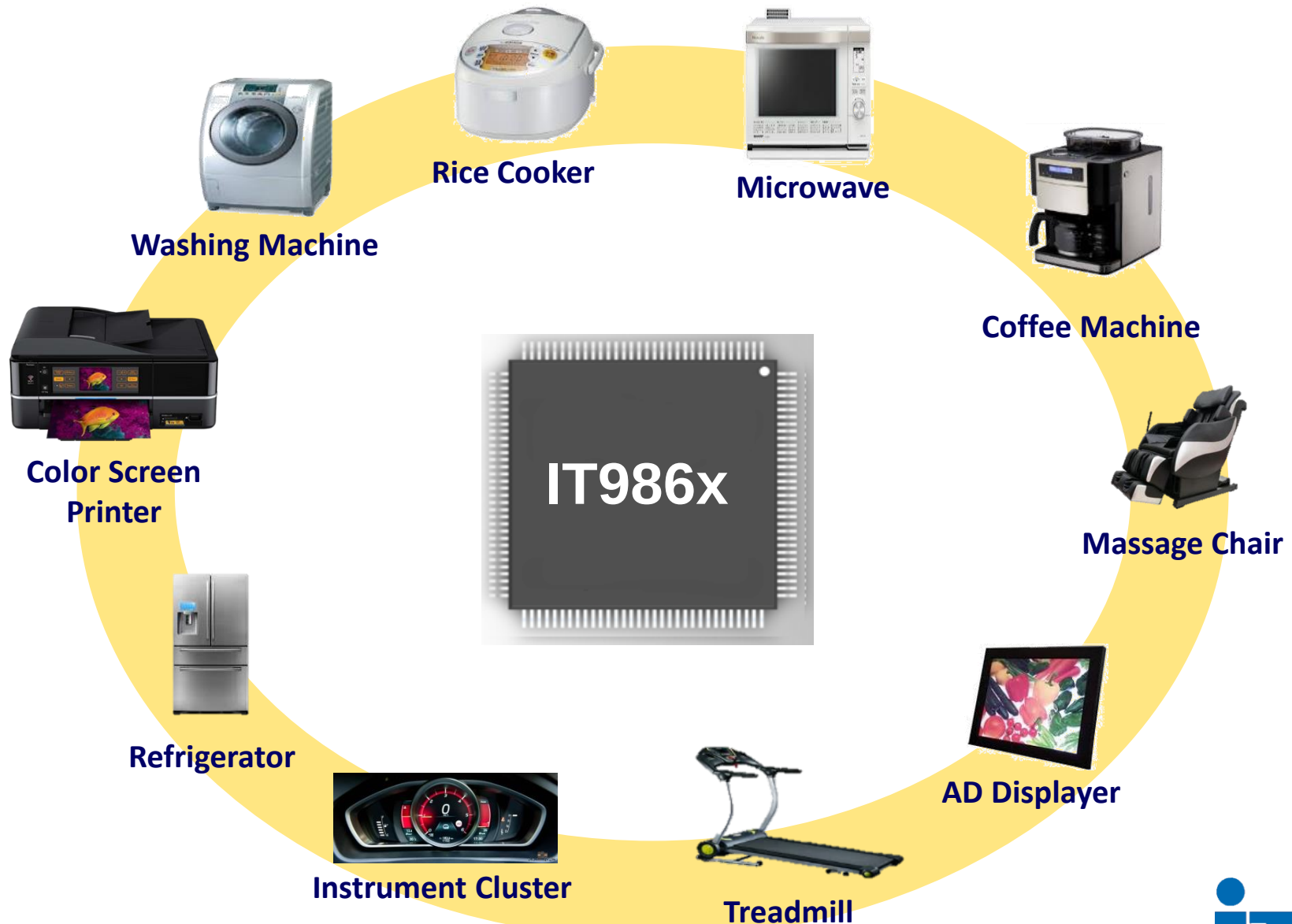
AD Displayer



Color Screen Printer

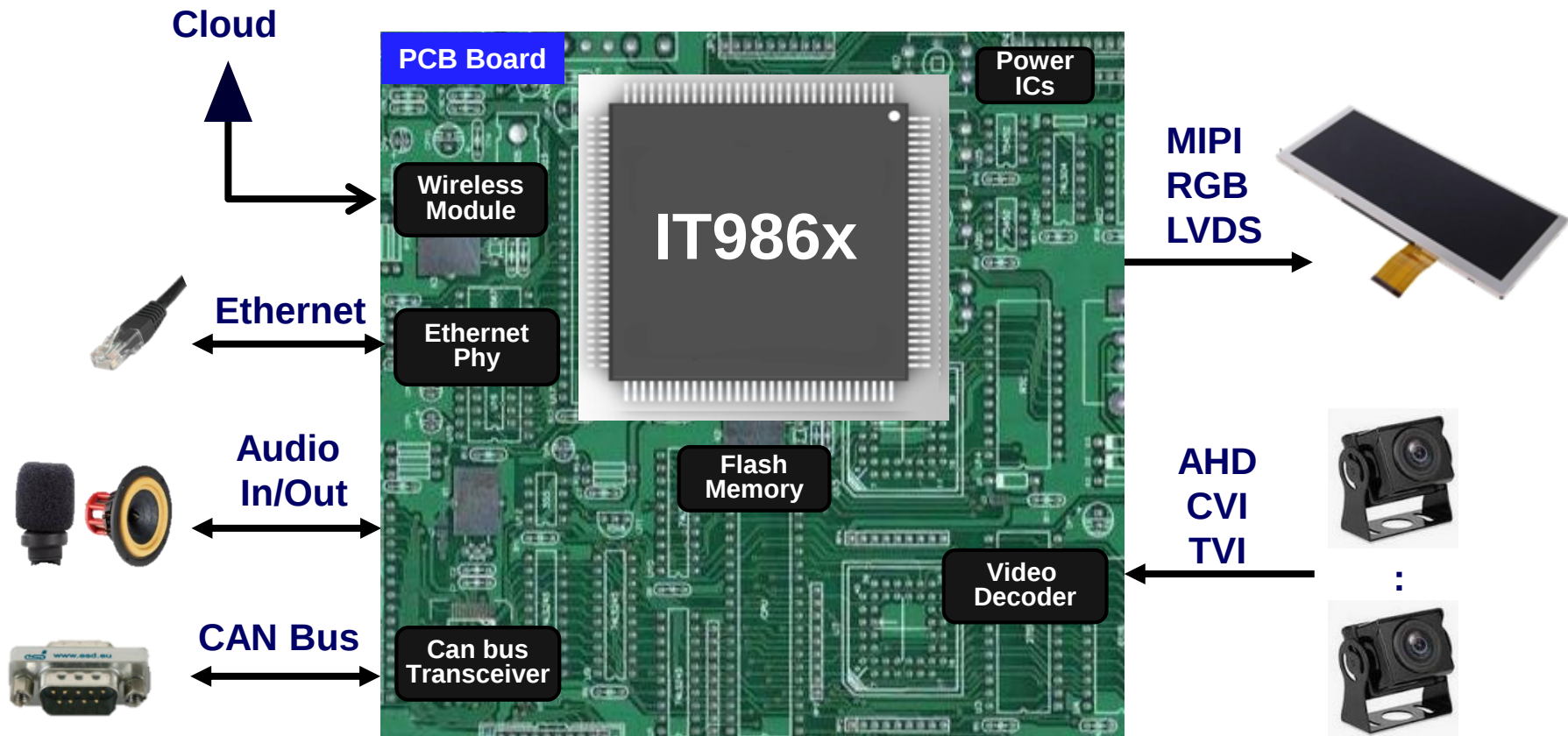
※ The photos are for reference only

IT986x SoC Versatility



※ The photos are for reference only

IT986x SoC: General Architecture



※ The photos are for reference only

ITE SoC Advantages

High Performance, Low Cost

Fast Booting (≈ 1 to 2 sec)

Panel Interfaces (MIPI, RGB, LVDS)

Operating temperature (Industrial Standard): $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$

Operating temperature (AEC Q100 Grade 2): $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$

Supporting wireless modules (WiFi, Bluetooth, 4G...)

Connection to Cloud Services

Screen mirroring (Miracast, Airplay...)

Speech processing (AEC, Recognition...)

Powerful Graphic Engine

Complete IDE, Easy to develop

ITE SoC Customers





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Thank You

