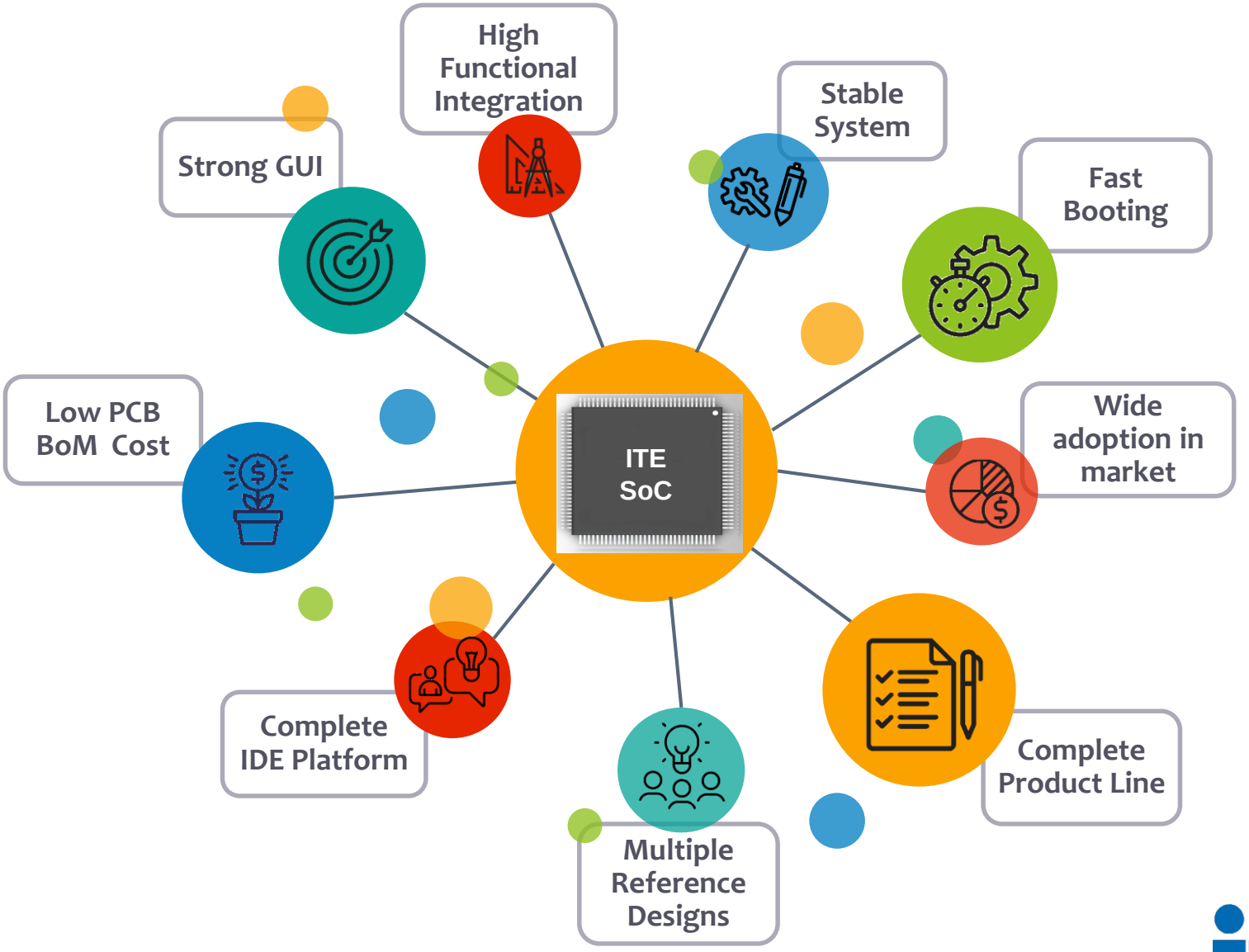
Introduction to ITE SoC

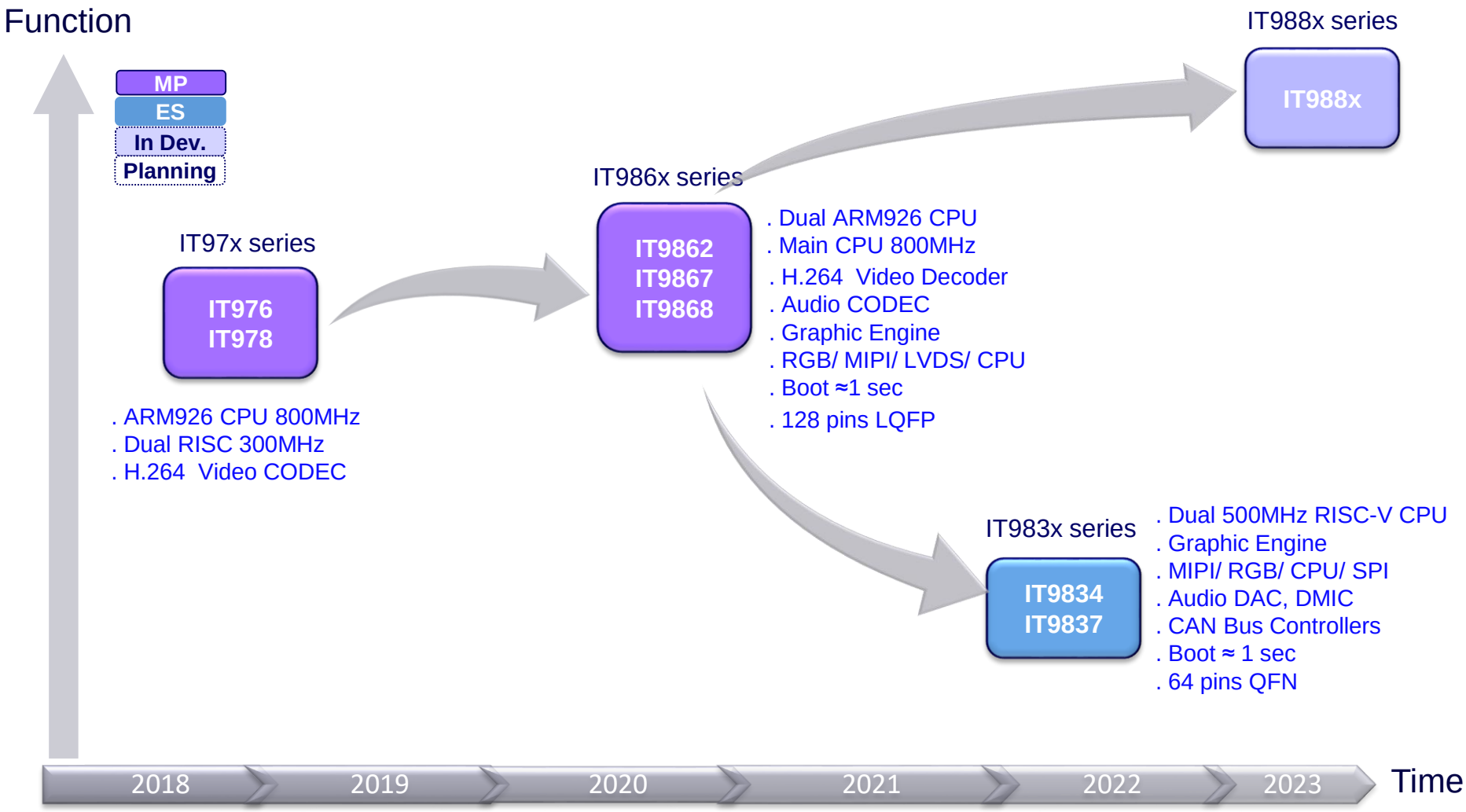
IT986x Series

SoC: System on chip
IDE: Integrated Development Environment

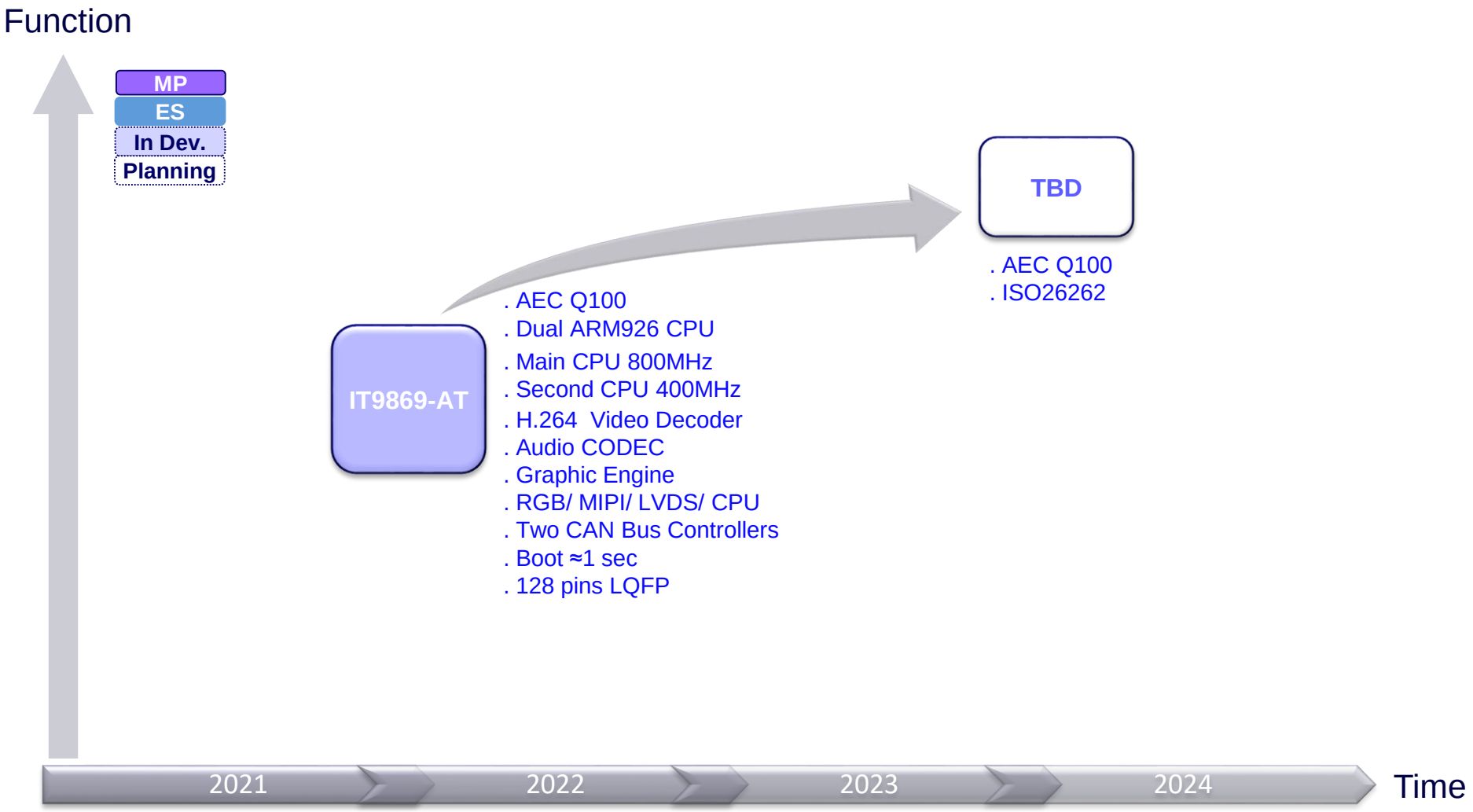
ITE SoC Product Line Features



ITE SoC (Industrial Grade) Roadmap

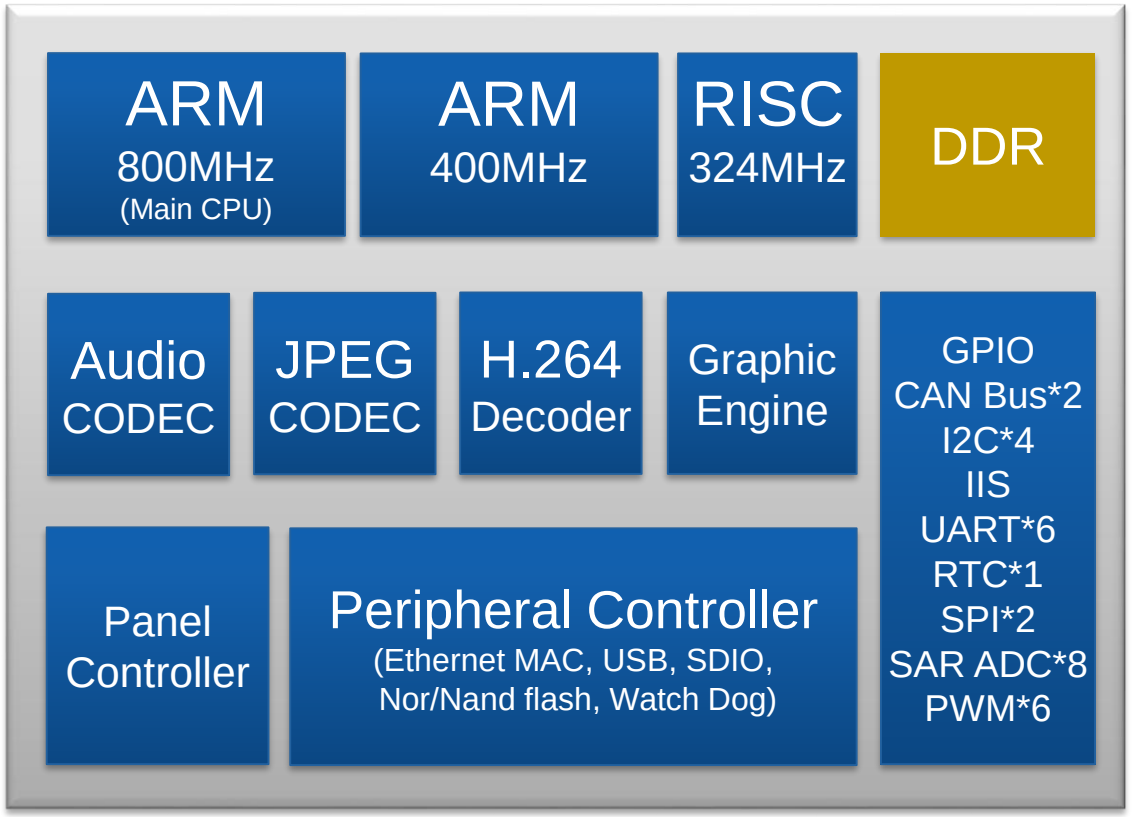


ITE SoC (Automotive Grade) Roadmap



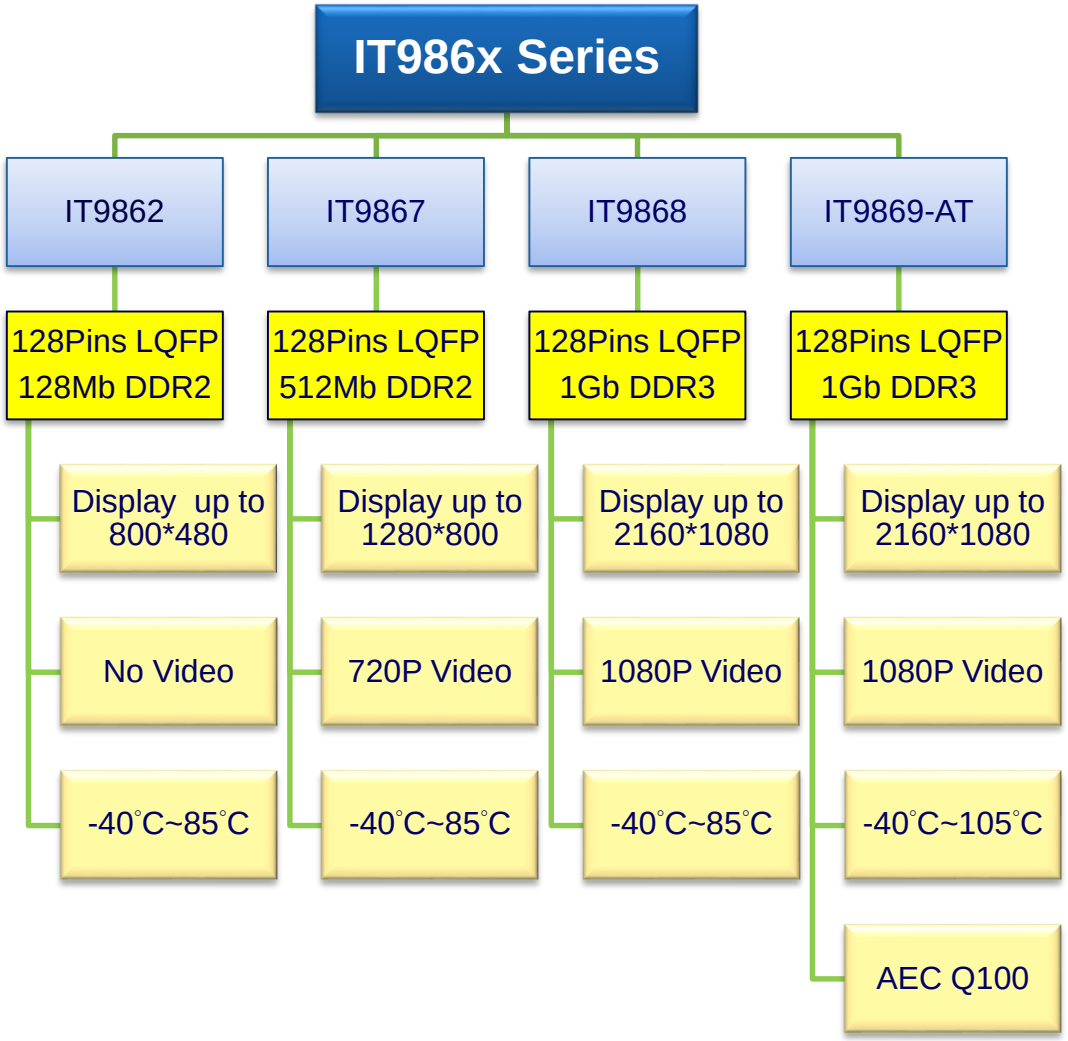
IT986x Function Block

- 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

※ The photos are for reference only

Application(2): Instrument Cluster

Motorcycle

E-Bikes

Car

Truck

Bus

Engineering Vehicle

※ The photos are for reference only

Application(3): Smart Building

Smart Building Display Control

Video Intercom (Indoor Phone)

Elevator Display

Smart Peephole

Smart Door Lock

※ The photos are for reference only

Application(4): Sports Equipment

Treadmill **Massage Chair** **Exercise Bike**

※ The photos are for reference only

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

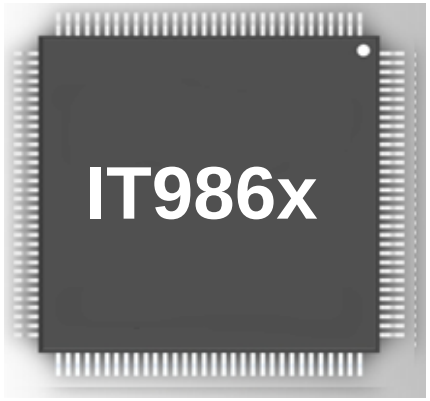
Rice Cooker

Microwave

Washing Machine

Coffee Machine

Color Screen Printer



Massage Chair

Refrigerator

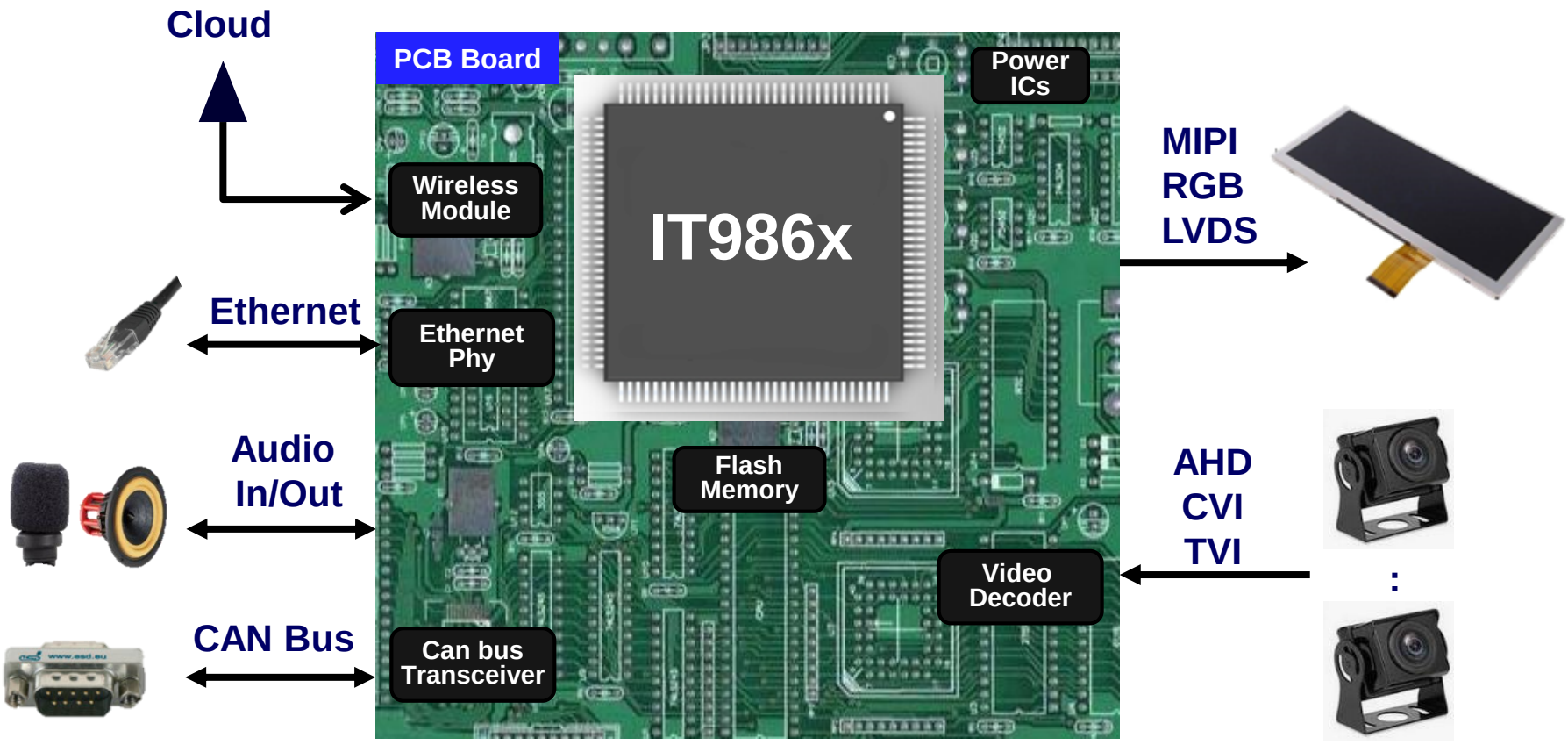
AD Displayer

Instrument Cluster

Treadmill

※ The photos are for reference only

IT986x SoC: General Architecture



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ITE SoC Advantages

- High Performance, Low Cost
- Fast Booting (≈ 1 to 2 sec)
- Panel Interfaces (MIPI, RGB, LVDS)
- Operating temperature (Industrial Standard): -40°C~85°C
- Operating temperature (AEC Q100 Grade 2): -40°C~105°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


ITE
ITE TECH.INC.
ITE Tech. Inc.
3F, No. 13, Chuangsin 1st Rd.,
Science Park, Hsinchu 30076, Taiwan,
R.O.C.
http://www.ITE.com.tw
Thank You