

ITE (聯陽半導體) Company Overview

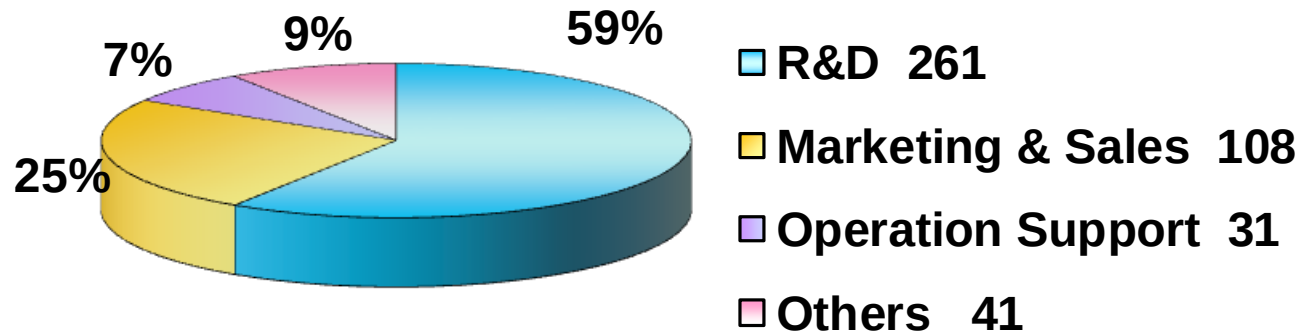


Establish	May 29, 1996
Chairman	Vincent Hu
President	H.Y. Lin
Capital	USD \$50 million
Employee	441 staffs
Business Nature	Professional IC design house
Philosophy	Integrate customers' demand, create corporate and shareholders' benefits
Operation	HsinChu – Headquarters, R&D, back-end and manufacturing support
	Taipei – R&D/Sales/Marketing and field application support
	Shenzhen – Field application support
	Shanghai – Field application support
Website	www.ite.com.tw

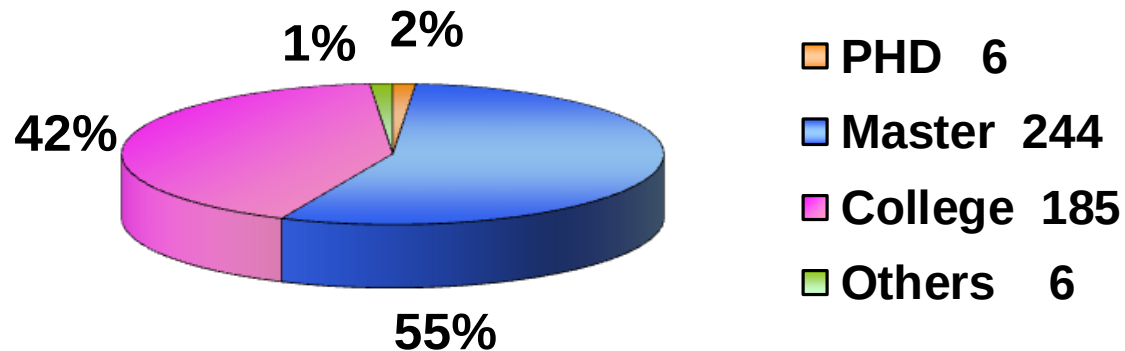
Human Resources

Employees : 441

Function



Education



ITE IT986x AP SoC Series

Chip Introduction

AP: Application Processor

SoC: System on chip

IDE: Integrated Development Environment



ITE AP SoC Product Line Features



Strong GUI

Colorful
HMI

Low PCBA
Cost

Fast
Booting

Complete
IDE

High
Functional
Integration

High
Peripheral
Expansion

Complete
Series of
Products

ITE AP SoC Roadmap

Function

MP
ES
In Dev.
Planning

IT97x series

IT976
IT978

- . ARM926 CPU 800MHz
- . Dual RISC 300MHz
- . H.264 Video CODEC
- . Audio CODEC
- . Graphic Engine
- . RGB/ MIPI/ LVDS
- . Boot ≈ 1 sec
- . 128 pins LQFP
- . IT976/978 pin to pin compatible

IT986x series

IT9863
IT9867
IT9869

- . Dual ARM926 CPU
- . Main CPU 800MHz
- . Second CPU 400MHz
- . RISC 324MHz
- . H.264 Video Decoder
- . Audio CODEC
- . Graphic Engine
- . RGB/ MIPI/ LVDS/ CPU/ SPI
- . Two CAN Bus Controllers
- . Boot ≈1 sec
- . 128 pins LQFP
- . IT9863/9867/9869 pin to pin compatible

IT983x series

IT983x

2018

2019

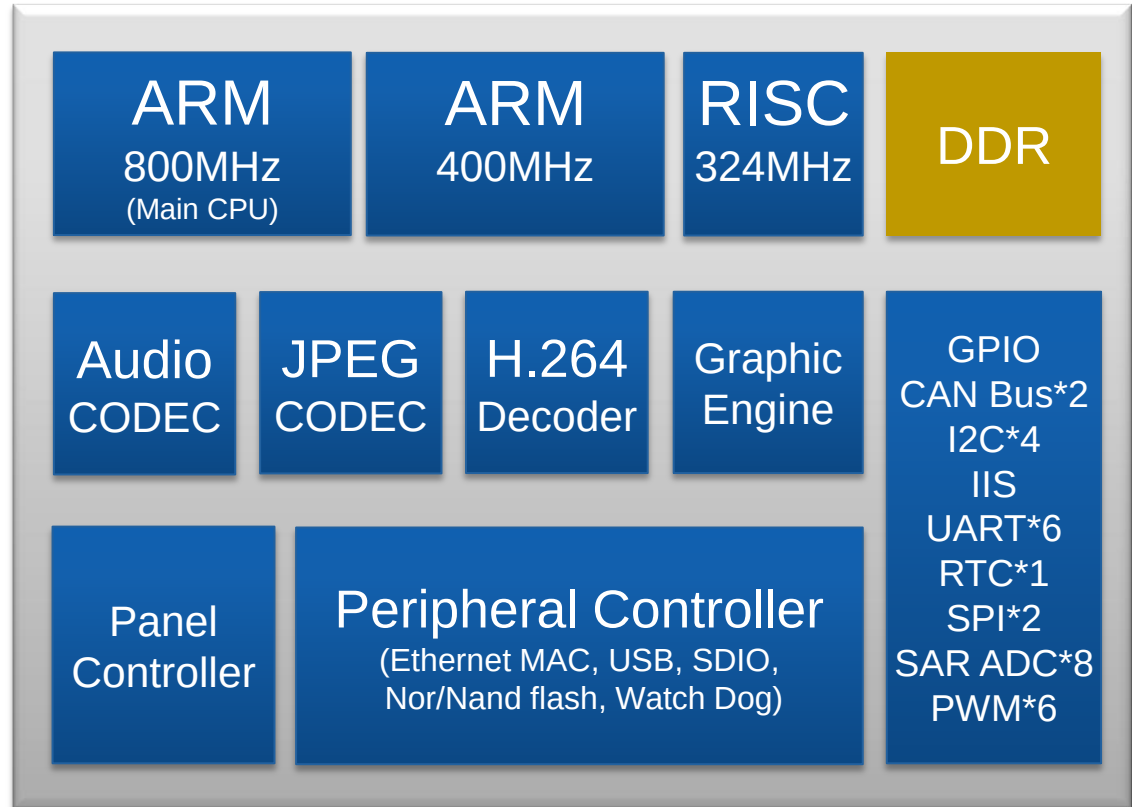
2020

2021

2022

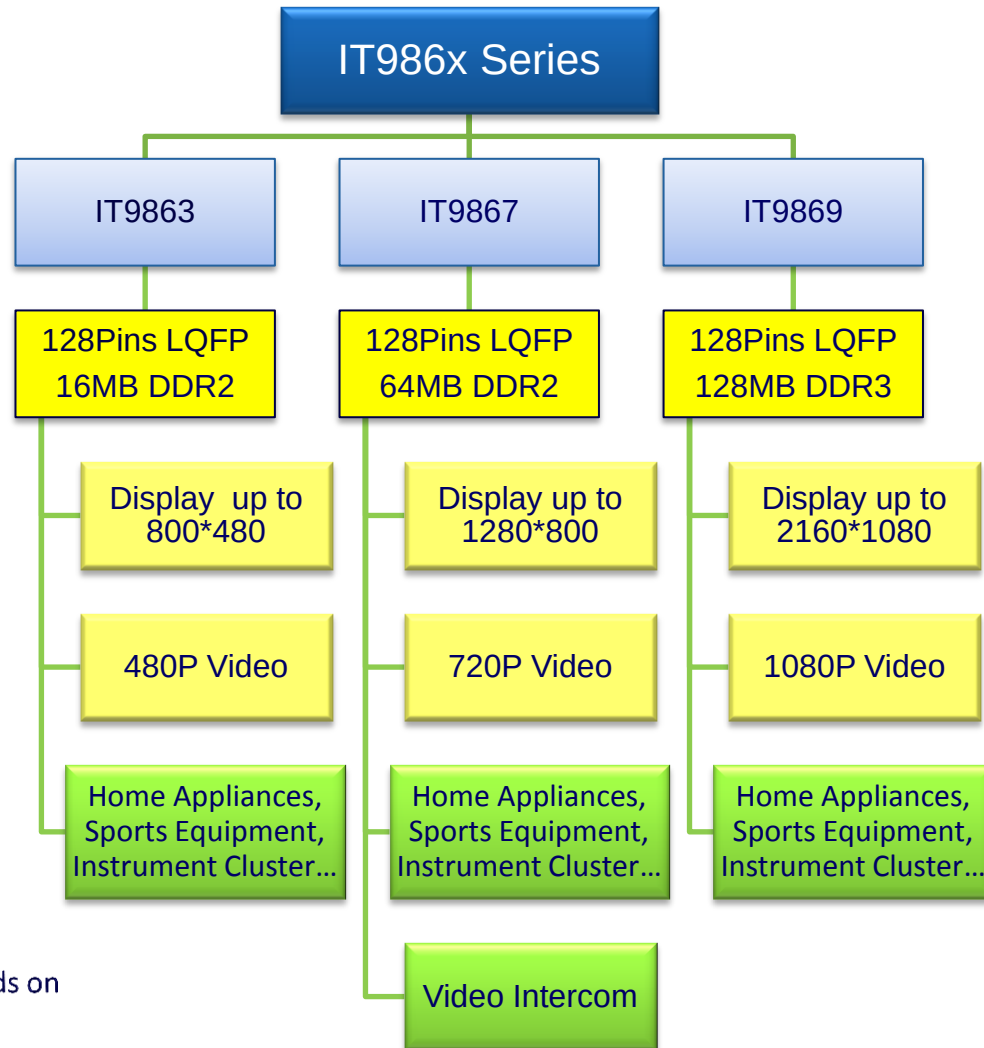
IT986x Function Block

- Dual ARM CPU
- Main CPU 800MHz
- H.264 Decoder Up to 1080P
- Panel resolution up to 2160*1080
- Panel Interface:
RGB/ MIPI/ LVDS/
CPU/ SPI
- CAN Bus Controller
- Graphic Engine
- 128 Pins LQFP
- IT9863/9867/9869
pin compatible



IT986x AP SoC Series Application

IT9863, IT9867, IT9869: 128 pins LQFP (Pin compatible)



※The video 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



Electric Bike

Application (3): Smart Home



**Smart Home
Display Control**



**Video Intercom
(Indoor Phone)**

Application (4): Sports Equipment



Treadmill



Massage Chair



Exercise Bike

Application (5): Others



Electronic Scale



Standard HMI Module



Elevator

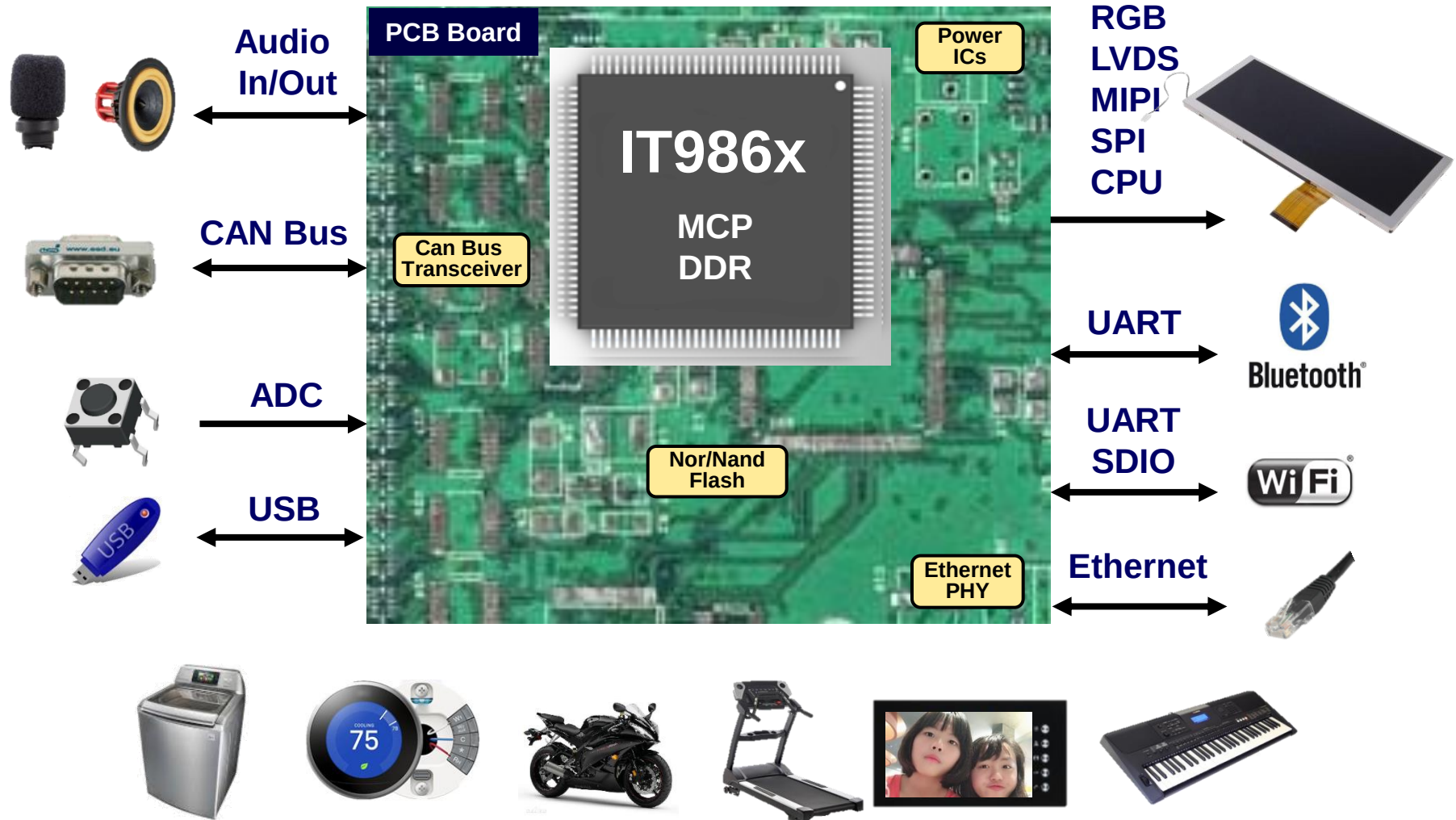


AD Displayer



Color Screen Printer

IT986x AP SoC: General Architecture



IT986x AP SoC Versatility



IT986x AP SoC Advantages

High Performance, Low Cost

Fast Booting (≈ 1 sec)

Panel interface (MIPI, RGB, LVDS, CPU, SPI)

Operating temperature: -40°C to 85°C

Support WiFi, Ethernet, Bluetooth, 4G

Fast responding GUI

Complete IDE, Easy to develop



ITE Application Processor SoC Customer



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R.O.C.

<http://www.ITE.com.tw>

Thank You