

# UEFI & Intel China R&D

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# Agenda

- **Industry Collaboration on UEFI**
- **Intel MII Collaboration**
- **Intel Jiangsu Collaboration**
- **Intel R&D in China**

# UEFI: Industry Cooperation on OS/Firmware Interface

- **UEFI (Unified EFI Forum)**
  - the group responsible for developing, managing and promoting the UEFI specifications
  - a non-profit collaborative trade organization
  - provide a clean interface between operating systems and platform firmware at boot time, support an architecture-independent mechanism
- **Intel contributions to UEFI**
  - EFI 1.10 Specifications
  - EFI & PI Test Suites: Self Certificate Test Suites

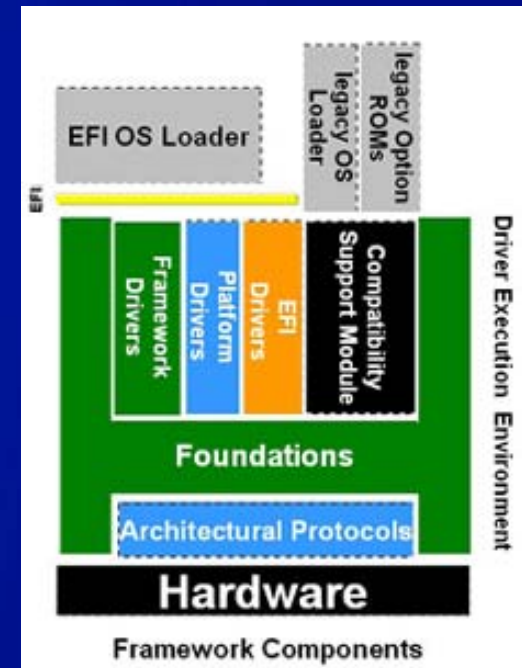
# UEFI/Framework: Platform Innovation Engine

- Platform Innovation relies on Firmware
  - BIOS is legacy tech. from 1980's
  - BIOS is bottleneck of new platform development
  - UEFI provides new opportunities
- UEFI provides a standard interface to enable Platform Innovation:
  - Flexible, Modular, and Extensible
- Framework
  - Foundation code had been open sourced
  - An Implementation of next generation of BIOS, beyond BIOS

*Intel® Platform Innovation Framework for EFI:  
Developed in China, Influence the World*

# Intel cooperates with MII to enable local capabilities using UEFI and the Framework

- Help China projects use the most modern firmware Infrastructure
  - Modular, extensible, and enable innovation
- Support China companies to develop next generation of BIOS related product based on UEFI & Framework
  - TTM for local companies
- Help PRC companies contribute to the definition and development of new firmware standards under UEFI





# Intel China R&D Overview

- Intel China Software Center established in Dec. 1993 in Shanghai
- Intel Asia-Pacific Research and Development Ltd. launched in Sept, 2005, located in Shanghai Zizhu Science-based Industrial Park
- Full-function R&D institution with advanced product development and marketing capability
- Base camp of Intel product and technology R&D departments in China
  - ✓ S/W & Solutions Group
  - ✓ Digital Enterprise Group
  - ✓ Channel Platform Group
  - ✓ Mobility Group
  - ✓ Digital Home Group

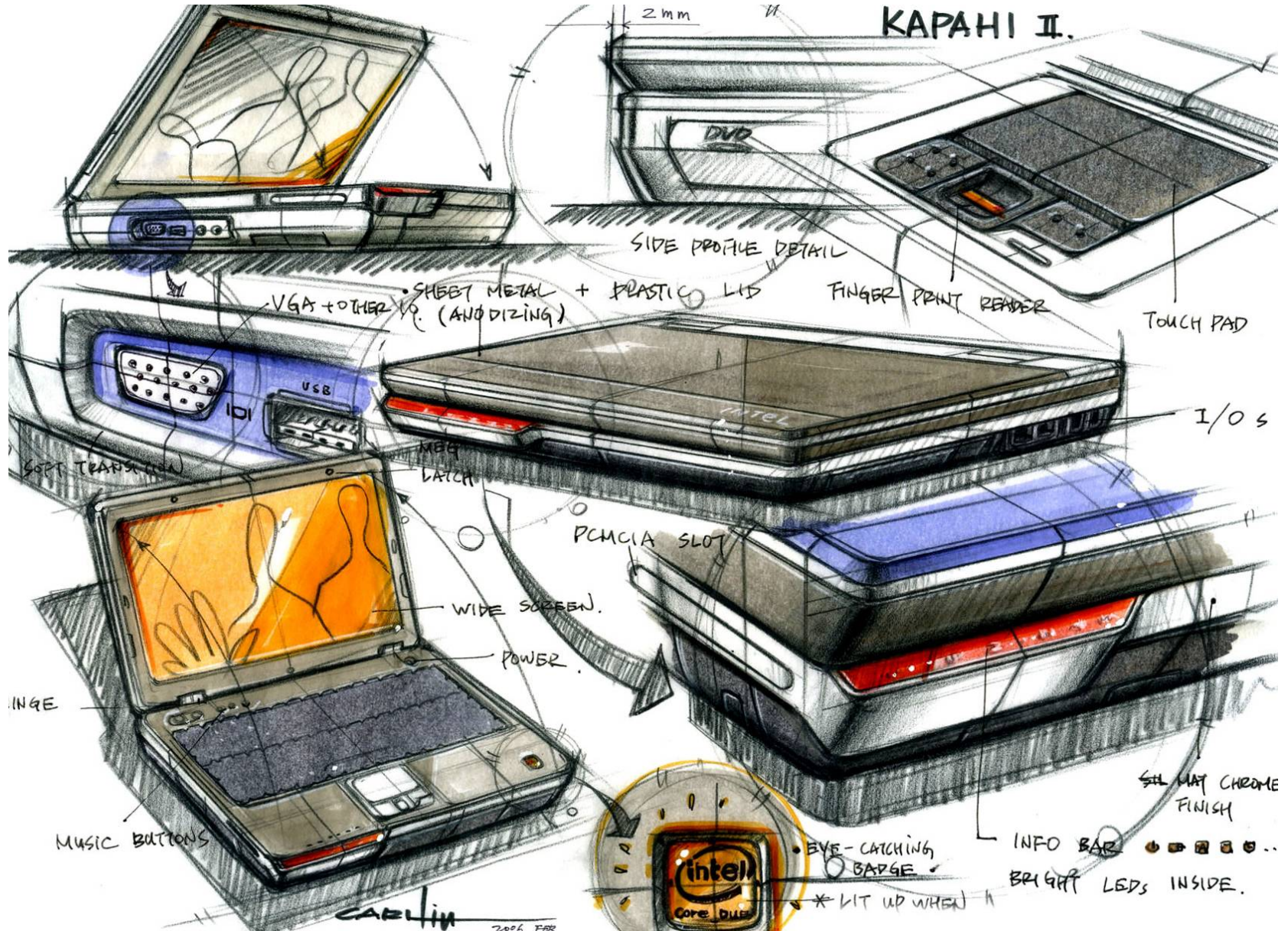


# History of Intel China R&D





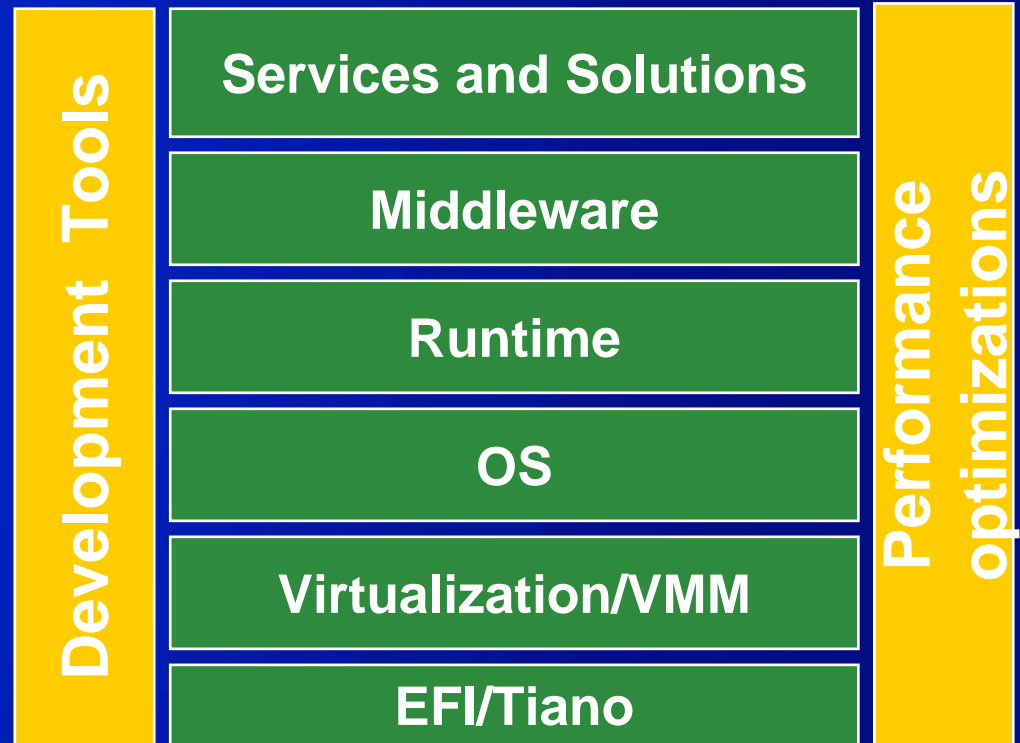
# Complete Platform Product Design Capability





# Core Strengths of Intel China Software R&D

- **Compiler and tools**
- **System Software**
- **Middleware**
- **Mobility**
- **Optimization**
- **Solutions and Services**



# Intel and Jiangsu Software Park Collaborations

- Intel Software Advanced Technology Training Platform
- Intel Software Enterprise Innovation Service Platform
- Intel® Technology Zone



# Summary

- UEFI provides a compelling platform for innovation
- *Intel Asia Pacific R&D Limited* is pleased to have contributed to platform innovations and UEFI
- Let us continue to work together to further accelerate excitements around UEFI