Breakout Session

Completed Industrial Components Portfolio with 12ᵗʰ Gen Intel® Core™ Processors

Joanne Chiu, ASUS IoT
About ASUS

Worldwide Office
Branches in 71 Countries & 6 Continents

30%+ R&D
Over 15,000 Employees
5,000 R&D Members

US$19 Billion
2021 Revenue

Fortune Award
The World’s Most Admired Company 2022
ASUS IoT Proposition

Dedicate 300+ AI professionals

System Business Group

Open Platform Business Group

AIoT Business Group

Est. 1st Nov. 2019

Dedicate 200+ RD professionals

AI Solution Business Unit

IoT Business Unit
Targeted Vertical Markets

Industrial (IIoT)

Retail (IoRT)

Medical (IoMT)

We provide AI-driven infrastructure, engineering resources, software, devices and services that empower digital transformation and turn smart manufacturing, smart healthcare and smart retail into reality.

Our robust, secure and reliable cloud capabilities provide a solid foundation for our smart solutions. Our global sales and service presence, extensive ecosystem of major cloud platform providers and collaborative technology partnerships offer unrivaled resources at our customers’ fingertips. Our business approach is open and flexible. We believe in always putting our customer’s success first.
Complete Industrial Components Portfolio

Industrial Motherboards & Industrial Accessories

All form factors: ATX, mATX, mini-ITX, Thin ITX, 3.5” SBC

Industrial Edge Computers

4U rackmount computers, embedded computers
# Product Roadmap

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12th Gen Intel® Core™ Processor (Code Name: Alderlake-S)
Product Roadmap

**3.5” Thin Client/Panel PC**

- ApolloLake
  - E395S-IM-AA
  - E394S-IM-AA
  - E393S-IM-AA

- WhiskyLake-U
  - C786ES-IM-AA
  - C583ES-IM-AA
  - C381ES-IM-AA

**Box PC**

- Embedded Fanless Computer
  - PE200S
  - PE200U

**12th Gen Intel® Core™ Mobile Processors (Code Name: Alderlake-P)**

- Consumer SoC (2~3Y)
  - C712S-IM-AA
  - C5124S-IM-AA
  - C3121S-IM-AA

- Embedded SoC (7Y)
  - C7126ES-IM-AA
  - C5124ES-IM-AA
  - C3121ES-IM-AA
ASUS IoT ADL-S Series Key Features

✓ Excellent computing ability support 12th Gen Intel® Core™ Processors

✓ Faster transfer efficiency
  - Support DDR5 (up to 40% higher bandwidth than DDR4)
  - PCIe Gen 5 slot onboard (up to double speed than PCIe Gen 4)

✓ Flexible power supply choice support ATX/12V DC in

✓ Better information security with dual Intel LAN

✓ Great monitoring/modifying ability with ASUS IoT Suite

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ASUS IoT Suite

Our ready-to-go solution providing user-friendly interface, GUI, API

✓ Clear real-time hardware information
  - temperature, voltage, fan speed

✓ Easy Watchdog settings

✓ Flexible GPIO control

✓ Agile fan control configuration

✓ Power scheduling
Industrial Application: AI Food Sorting

Powerful 4U Rackmount Industrial Computer

- **Excellent Performance**
  - Support 12th Gen Intel® Core™ Processors
  - Support the latest DDR5 technology

- **High expandability**
  - Support dual premium graphic cards
  - Support multiple expansion cards

- **Better information security**
  - Dual Intel LAN onboard (up to 2.5G LAN)
  - TPM header on board

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Learn more about ASUS IoT

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▲ ASUS IoT Linkedin
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Your costs and results may vary.

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