



# **ANDES TECHNOLOGY**

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Sales Manager EMEA & Japan  
Andes Technology

# Company Profile

## Who We Are



Pure-play CPU  
IP Company



RISC-V Founding  
Premier Member



Major Open-Source  
Contributor/Maintainer



Stock Exchange  
Listed

## Quick Facts

**17**  
years old  
company

**250+**  
Licensees  
Worldwide

**80%**  
R&D  
employees

**10B+**  
accumulated Andes-  
embedded SoC shipment

**20K+**  
AndeSight IDE  
installation

## Roles in RISC-V International



**Frankwell Lin**  
Board of Director



**Charlie Su**  
Technical Steering  
Committee



**Florian Wohlrab**  
Ambassador



DSP Task Group

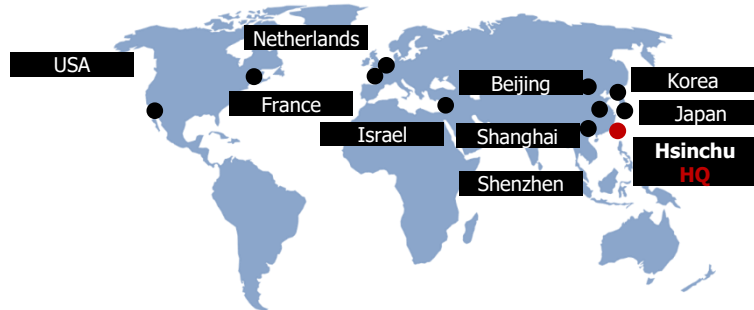


TEE Task Group



Fast Intr. Task Group

## Where We Are



# Innovation on Open Architecture

## The New Era of Rising Force

### Freedom

SW compliant to any of open source, in-house and commercial cores

### Forward

Participate task groups and influence spec ratification



### Flexibility

Modular ISA, custom instruction and micro-architecture

### Family

Ecosystem, ISV and community

# Powering World-Leading SoC Customers

## Mobile



**MEDIATEK**

**Mobile  
TDDI**

Billions shipment of  
sensor hub, connectivity  
and touch

## IoT



**RENESAS**

Performance, safety and  
customization enabling  
innovative MCU & MPU



**HPMicro**

Serving mainstream  
audio, wearables and  
IoT development needs

## AI



Configurable and  
efficient core to power  
high-performance AI



**Datacenter  
Cloud Solution**

Vector and ACE-enabled  
cores for optimized AI  
Accelerators

## 5G



a customizable ISA in a  
disruptively innovated  
manner



Small but powerful cores  
for max flexibility

## Storage



**PHISON**

Efficient cores to enable  
scalable performance  
for enterprise storage



Flexible interface to  
construct small MP for  
consumer storage



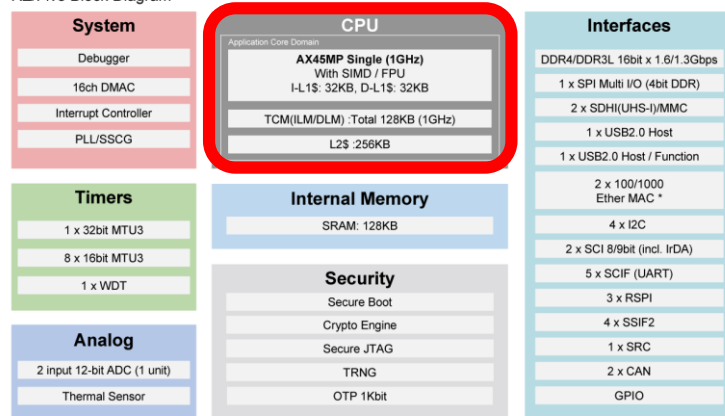
# Renesas 64-bit RISC-V General-Purpose MPU



	<b>NEW</b> RZ/Five	RZ/G2UL	RZ/G2LC	RZ/G2L
Main CPU	64-bit RISC-V x1	Cortex-A55 x1	Cortex-A55 x2 or x1	Cortex-A55 x2 or x1
Sub CPU	—	Cortex-M33 x1	Cortex-M33 x1	Cortex-M33 x1
Gigabit Ethernet	2ch or 1ch	2ch	1ch	2ch
CAN-FD	2ch	2ch	2ch	2ch
12-bit ADC	2ch	2ch	—	8ch
Package	13mm Square BGA * 11mm Square BGA	13mm Square BGA *	13mm Square BGA	15mm Square BGA 21mm Square BGA

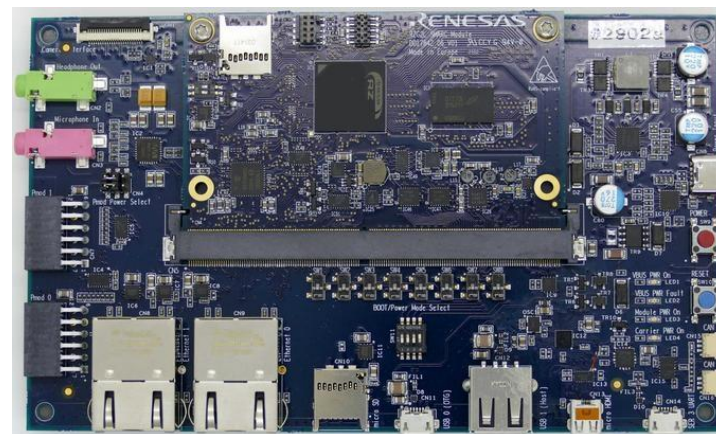
**\* Pin Compatible \***

RZ/Five Block Diagram



\* : The 266pin package has one channel of Gigabit Ethernet.

Package Information : 361pin, 13x13mm PBGA (0.5mmPitch)  
266pin, 11x11mm PBGA (0.5mmPitch)



**RISC-V the future is here now!**

**Thank You !**



**Florian Wohlrab**



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