





Corporate outline

Business results in FY2023Q2

Future opportunities under mid-term strategy, "5G&Beyond-NE"





Corporate outline

Business results in FY2023Q2

Future opportunities under mid-term strategy, "5G&Beyond-NE"

## Corporate outline: Provider of unique value to the world, Interface to the Future - Solution by Smart Connectivity - Solution by Smart Connectivity -

Company Name THine Electronics, Inc.

(listed on Tokyo Stock Exchange, code: 6769)

Founder & CEO Tetsuya lizuka, Ph. D

President & COO Yoichiro Minami

Capital 1,175 million Yen

Founded May, 1991

Incorporated June, 1992

incorporated June, 1992

Planning, Designing and Sales of Mixed Signal LSI and

Providing AI & IoT devices and solutions

131 (consolidated basis as of June 30, 2023)



Employees

Business Area

**JPX** 

**STANDARD** 



#### **THine teams**



#### Korea

THine Electronics Korea, Inc. Seoul, Korea Established in Mar. 2010

#### **United States**

THine Solutions, Inc. Santa Clara, CA USA Established in Feb. 2018

#### China

#### 賽恩電子香港股份有限公司

THine Electronics Hong Kong, Co., Ltd. Established in Nov.2012

#### 前海赛恩电子(深圳)有限公司

THine Electronics Shenzhen, Co., Ltd. Established in May 2013 上海分公司

Established in Oct.2013



**OKYO** – Headquarters –



Tokyo, Japan Start-up in May 1991

#### **Taiwan**

#### 哉英電子股份有限公司

THine Electronics Taiwan, Inc.

Taipei, Taiwan Established in Sep. 2000



#### Cathay Tri-Tech

Yokohama, Japan Acquired in Dec., 2018



#### **Business area**

#### Product and solution

#### Application market

LSI Biz. <High-speed interface LSI>

V-by-One® HS plus

V-by-One® HS

V-by-One®

**LVDS** 

Serial Transceiver IOHA:B

<Image signal processing>
Image Signal Processor

Camera Development Kit

• Camera solution: automotive cameras, security cameras, AR/VR, recognition camera, medical cameras, etc.

- Display solution: high-resolution displays such as 8K / 4K, gaming monitors with high refresh rate
- Drive recorders, automotive CID, exp. for EVs
- Mobile, PC, and single board computers
- OA (multi-function printers), amusement
- Industrial equipment such as inspection equipment for semiconductors and LCD displays

AI & IoT Biz. <Wireless modules>
5G/LTE/NB-IoT

< Al&IoT devices and solution >

IoT Gateway / Router

Edge Al Processor / Module

AI & IoT Solution









- Drive recorders with wireless modules
- AED monitoring modules
- IP transceivers
- Remote monitoring module for vending machines and elevators
- · GPS tracker
- AI thermography with facial recognition
- IoT monitoring system for





Corporate outline

Business results in FY2023Q2

Future opportunities under mid-term strategy, "5G&Beyond-NE"



#### **Financial performance in FY2023Q2**

► Consolidated financial results

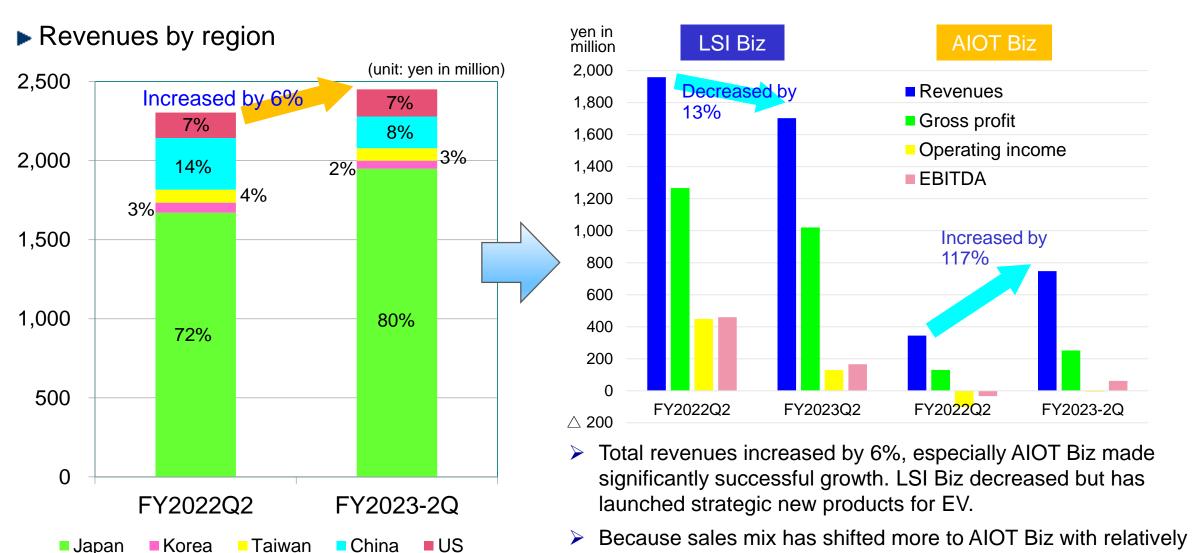
(yen in million)

|   | F     | Y2023Q2  | FY2022Q2 |       |       |
|---|-------|----------|----------|-------|-------|
|   |       | Portion% | YoY      |       | YoY   |
| Revenues  | 2,450 | 100.0    | 106.4    | 2,303 | 100.0 |
| Gross Profit  | 1,272 | 51.9     | 91.2     | 1,395 | 60.6  |
| SG&A  | 1,148 | 46.9     | 109.7    | 1,047 | 45.5  |
| (R&D expenses)  | 519   | 21.2     | 112.0    | 464   | 20.2  |
| Operating Income  | 124   | 5.1      | 35.6     | 348   | 15.1  |
| (EBITDA)  | 227   | 9.3      | 53.4     | 426   | 18.5  |
| Ordinary Income   | 273   | 11.2     | 40.3     | 678   | 29.4  |
| (Reference purpose only) Ordinary Income without FX effects | 126   | 5.2      | 35.2     | 360   | 15.6  |
| Net Income Attributable to Owners of the Parent             | 170   | 7.0      | 29.6     | 577   | 25.1  |

THine L...



#### Financial performance in FY2023Q2 by region and segment

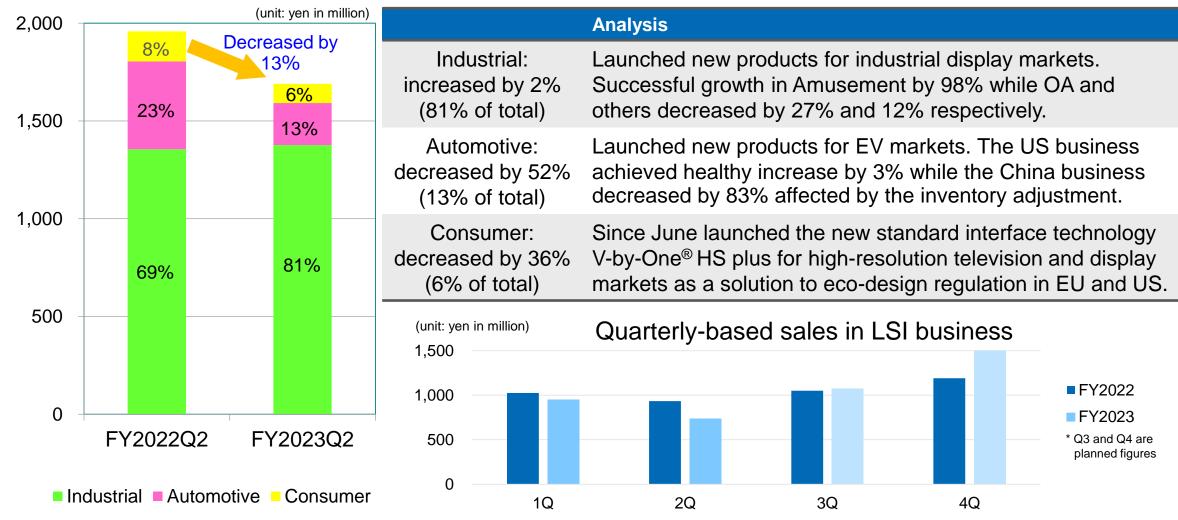


moderate GPR, consolidated GPR decreased by 9%.



#### Financial performance of LSI business in FY2023Q2 by application markets

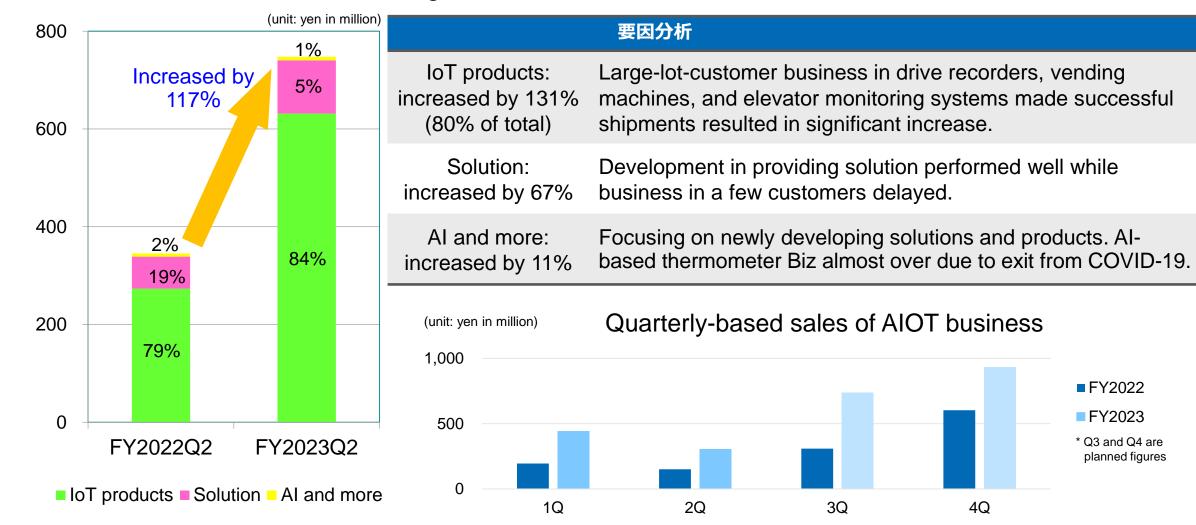
#### Revenues of LSI business by application





#### Financial performance of AIOT business in FY2023Q2 by segment

#### Revenues of AIOT business segments



4Q

FY2022

FY2023

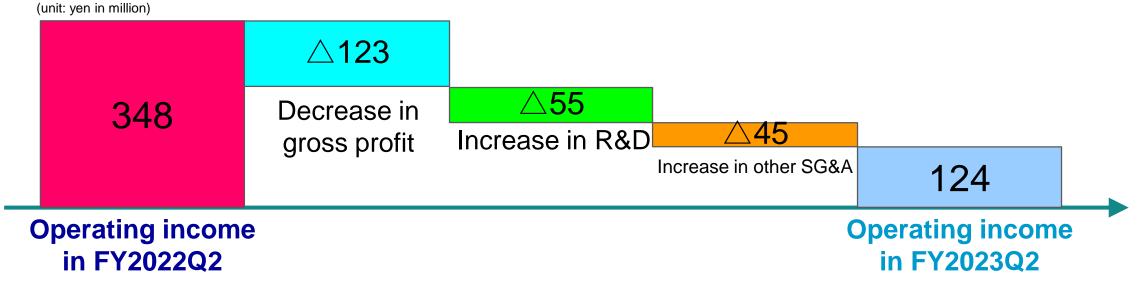
\* Q3 and Q4 are

planned figures



#### Financial performance in FY2023Q2 compared to that in FY2022Q2

- Reason of changes in operating income
- > Gross profit decreased by 9%. AIOT business made almost double and increased by 94% with a relatively moderate gross profit rate, while LSI business decreased by 19%.
- Made intensive investment in research and development (R&D) with JPY519M, increased by 12%: developing the advanced high-speed interface standard "V-by-One® HS plus" technology, new V-by-One® HS products for display panels in EVs, image signal processing solution, high-speed serial transceiver products, advanced redriver technology, modules for edge AI, gateway products with voice communication, etc.
  - \* Also continued government-contracted R&D project using 300GHz communication mostly at the cost of MIAC





#### Financial performance of R&D in FY2023Q2

- ▶ Intensive investment in R&D
- > R&D investment plan in FY2023: totally JPY1,210M (increased by 20%)

R&D plan in FY2023



## Actual R&D investment in FY2023Q2

**>** JPY519M

compared to the plan: 43% compared to FY'22Q2: 112%



## Focused development to achieve the 5 goals of the mid-term strategy, "5G&Beyond-NE"

- > New V-by-One®HS products for display panels of EVs
- > The industry-first serial transceiver products for sensing controlling systems
- New high-speed interface standard "V-by-One® HS plus" technology for high-resolution TVs and gaming monitors, contributing to achieve systems under the new eco-design regulation in EU and US
- > Cloud-server-linked drive recorders
- > Modules for edge AI processing
- > Voice-communication-support gateway products
- ➤ High-speed wireless communication technology applicable to 1000Gbps data transmission (Beyond 5G), etc. Copyright © 2023 THine Electronics, Inc. All Rights Reserved. 13



#### Financial performance in FY2023Q2

▶ Outline of balance sheet as of the end of June, 2023

(unit: yen in million)

| Assets                        |                |              | Liabilities and Net Assets             |                |              |  |
|-------------------------------|----------------|--------------|--|----------------|--------------|--|
|                               | End of FY'23Q2 | End of FY'22 |  | End of FY'23Q2 | End of FY'22 |  |
| Cash and Cash Equivalent      | 7,960          | 7,302        | Account Payable                        | 299            | 282          |  |
| Account Receivables           | 644            | 1,058        | Other Current Liabilities              | 347            | 515          |  |
| Inventories                   | 855            | 1,048        | Non-current Liabilities                | 136            | 136          |  |
| Other Current Assets          | 362            | 358          | Shareholders' Equity                   | 9,505          | 9,494        |  |
| Property, Plant and Equipment | 203            | 206          | Accumulated Other Comprehensive Income | 65             | 59           |  |
| Intangible Assets             | 82             | 148          | Deferred Stock-based Compensation      | 138            | 128          |  |
| Investments and others        | 444            | 547          | Non-controlling Interests              | 61             | 52           |  |
| Total Assets                  | 10,553         | 10,669       | Total Liabilities and<br>Net Assets    | 10,553         | 10,669       |  |

<sup>&</sup>gt; US-dollar-based cash as of the end of FY'23Q2 is approximately US\$8M.

<sup>&</sup>gt; Goodwill by acquisition of Cathay Tri-Tech (AIOT business) is JPY65M in intangible assets. The amortization of goodwill will be completed in FY23.



#### Financial performance in FY2023Q2

► Outline of Cash Flow Statements

(unit: yen in million)

|                                      | FY2023Q2 | FY2023Q2 |
|--------------------------------------|----------|----------|
| Cash Flow from Operating Activity    | 687      | 168      |
| Cash Flow from<br>Investing Activity | 2        | 1        |
| Cash Flow from Financing Activity    | △160     | △128     |
| Effect of Exchange Rate Changes      | 129      | 342      |
| CCE at the beginning of the FY       | 7,302    | 7,743    |
| CCE at the end of the Quarter        | 7,960    | 8,126    |

- decrease in net income before tax, account receivables and inventories, etc.
- investment in fixed asset, dividend from VC investment, etc.
- payment of dividend for FY'22, etc.
- > Exchange rate JPY133 as of the end of FY2022 JPY145 as of the end of FY2023Q2





Corporate outline

Business results in FY2023Q2

Future opportunities under mid-term strategy, "5G&Beyond-NE"

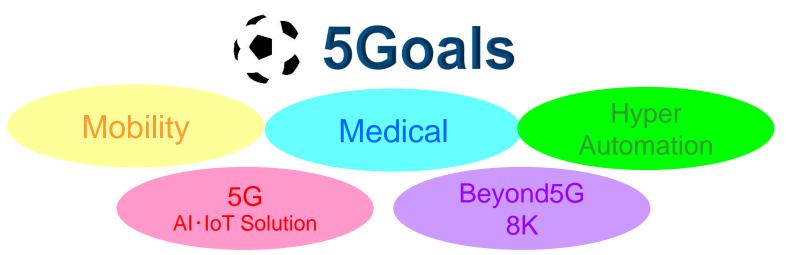


➤ Outline of "5G&Beyond-NE"

<Basic strategy>

THine provides differentiated values for customers based on the prior mid-term strategy, "5G&Beyond," corresponding to business environment, and contribute to customers' innovation.

THine re-defines "Strategic 5 Goals", focuses on growing application markets, and aims to achieve x3 operating income in FY2024, compared to FY2021.





#### Beyond5G/8K

(contribution to emerging use cases)
Beyond5G technology applicable to
1000Gbps communication and 8K videos







## 5G/AI•IoT Solution (contribution to IoT communication)

5G wireless communication face recognizing solution smart meters



Mobility
(contribution to automotive evolution)

Automotive high-resolution / multiple cameras and displays

# 5Goals



Hyper Automation (contribution to industrial IoT)
Serialize various IoT sensing data

#### Medical

(contribution to health care)
Medical cameras (endoscopes)
and high-resolution monitors





#### ► Action in FY2023

- (1) Enhance growing business in automotive and industrial markets, contributing to support new use cases of autonomous, unmanned, and remoted situation
- ②Continuously launch new LSI products for automotive cameras and displays, targeting automotive markets in China
- ③Promote products and solutions for smart loT communication, including drive recorders and smart meters
- 4)Cultivate future growing opportunities in 5G, Al&IoT, medical
- 5 Positively invest in research and development as well as talented HR to create value from new products
- **6** Achieve operational excellence in **highly-collaborative sales and production functions**, to meet customers' demand under extremely tight situation in fabrication capacities



Mobility



► Enhancing user experience – simplifying cable wiring solution for in-vehicle touch panels for EVs

#### Start volume production shipping of new V-by-One®HS products for EVs and industrial equipment

- ➤ Enabling to transmit and receive fullHD60fps images, controlling signals, and voice signals only with 1 chip
- Capable to handle approximately +28% more data volume, compared to similar-class products in automotive industry the world-fastest class SerDes support OpenLDI(LVDS)





- 1) Automotive in-vehicle touch panel display
- ➤ Information display
- > Rear seat entertainment
- ➤ Navigation
- ➤ Display Audio



- 2) Industrial embedded touch panel display
- ➤ HMI/programmable display
- ➤ Vending machines with touch panel
- ➤ Elevator interior panel
- > Traffic monitors





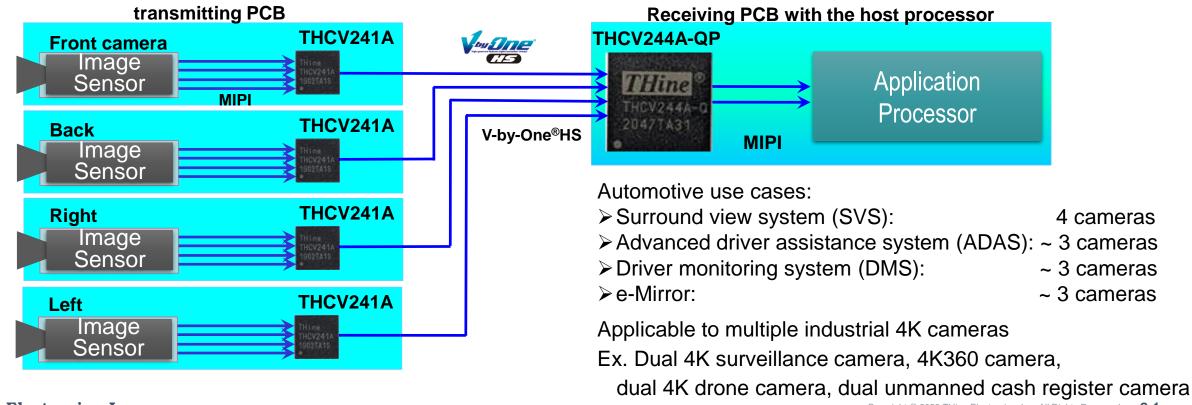
► Contribution to high-resolution automotive cameras

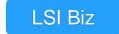
**Mobility** 

Hyper Automation

#### 4-camera-supporting V-by-One®HS

- ➤ Receiving max.4-camera images of full-HD60fps
- > The lowest power consumption in the industry with enhanced noise tolerance





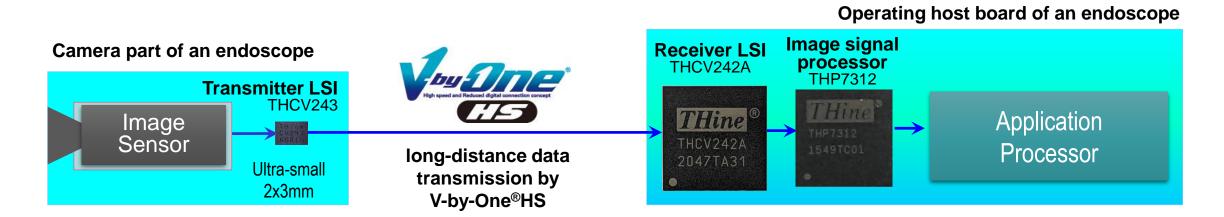


► Contribution to evolving medical cameras

**Medical** 

#### V-by-One® HS product supports 4K medical cameras

- ➤ Contributing to achieve 4K high-resolution endoscope cameras
- ➤ The world smallest V-by-One® HS product enables to transmit images from 4K cameras to operating equipment for several meters through just one cable
- > THine's image signal processor applicable simultaneously
- > Contributing for users to apply AI-based machine learning with 4K images for higher detection rates for early-stage cancers





resolution

THine Electronics, Inc.



#### 5G&Beyond-NE, the mid-term strategy from 2022 to 2024

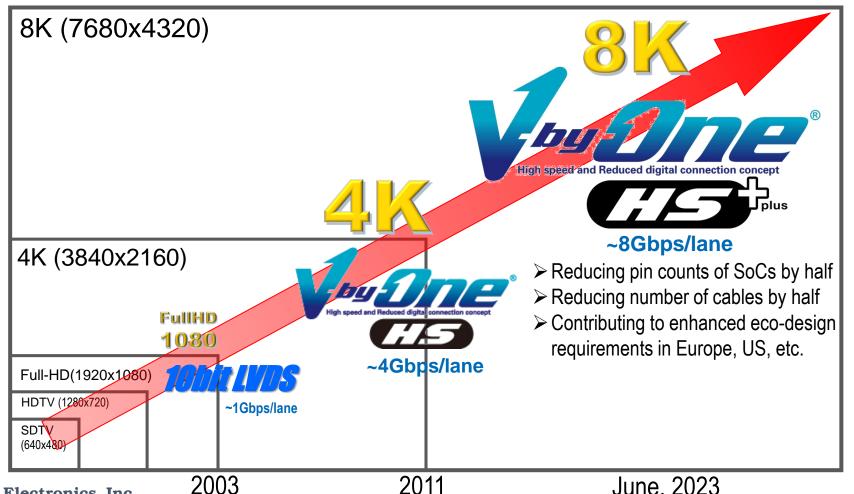
► Contribution to video data transmission

**Mobility** 

**Medical** 

**Beyond 5G/8K** 

#### Pioneering high-speed interface technology, including *de facto* standard



## **THine**

#### Contribution to TV's evolution

- 2003 Launched the industry-first 10-bit LVDS in volume production, supporting 1.07-billion color depth, compared to 16.4-million colors at the time
- 2011 THine's V-by-One® HS became *de facto* standard of the internal interface of TVs, licensing it to hundreds of licensees.
  In 2012, IEEE gave THine an honorable award for pioneering de facto standard for moving
- 2023 Launched the new standard V-by-One®HS plus to achieve energy-efficiency TVs and gaming monitors



► Contribution to high-speed video data transmission

**Mobility** 

**Medical** 

**Beyond 5G/8K** 

#### Providing "V-by-One®HS plus Standard" since June, 2023

- Double-speed interface technology of today's de facto standard V-by-One® HS for 4K/8K TVs and displays
- > Contributing to enhanced eco-design requirements in Europe, US, etc.

Comparison of video data transmission systems in case of 8K60fps or 4K240fps

Video data transmission by V-by-One® HS plus

Only 16 lanes required, reducing pin counts of LSIs and lowering power consumption

Print circuit board of image engine Print circuit board of display panel

Video Processor Controller

(Video Data: 32 pin)

Print circuit board of image engine

Print circuit board of display panel

Video Processor
(Video Data: 64 pin)

Print circuit board of display panel

Timing Controller
(Video Data: 64 pin)

Current video data transmission

<sup>\*</sup> These images are for illustrative purposes only.



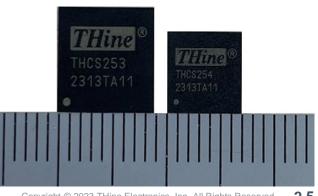


Hyper Automation ▶ Contributing to Simplifying Sensing & Control Systems Launching the industry-first unique serial transceiver products

- > Reducing sensing cables by up to 88%, allowing future expansion for additional sensors with the same platform systems with minimal redesign efforts, applicable for various applications:
  - Warehouse robotics, factory AGV, manufacturing robotics, vending machines with 2 controlling signals
  - Industrial equipment for measuring, analysis, inspection, and manufacturing, reducing expensive cables
  - **Al-enabled sensing systems** with independent clocks between Al-processing boards and sensor boards
  - **Drones and unmanned vehicles with batteries** for reducing weight
  - **Printers, projectors, and consumer electronics** with miniaturizing wide FFC (flexible flat cables)

The new serial transceiver products enable to simplify the wiring systems Function board with sensors, touch Main system board panels, near field communication, etc. Only 2 pair SoC / FPGA / Long-distance data transmission MPU Feasible to use optical cable or near field communication to achieve electric isolation . . . . . . . .

The new serial transceiver products



Copyright © 2023 THine Electronics, Inc. All Rights Reserved.



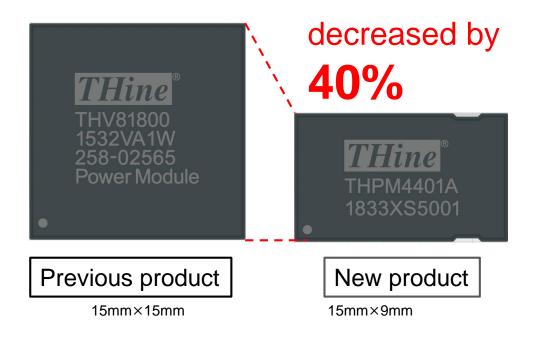


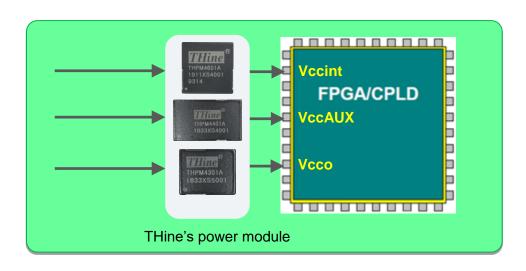
Reducing designing hours and developing period



#### **Advanced power module products**

- Module products of complicated power supply circuits, achieving miniaturization, higher-efficiency, excellent heat dissipation by original packaging technology
- > Suitable for the most advanced LSI, for example FPGA·SoC·ASSP, etc.





THine's optimized power modules enable system developing engineers to reduce designing hours and developing period



► TVS for high-speed data transmission

**Mobility** 

**Medical** 

Hyper Automation

**5G Al/IoT** 

#### Protect costly processors using advanced miniaturized manufacturing process

THine's TVS (Transient Voltage Suppressor) solution suitable for protecting processors with high-speed data communication

- Protect processors and SoCs from static electricity and power fluctuation
- Keep high-speed signal integrity
- Small package, suitable for data line of HDMI, DisplayPort, USB3.0 Type-C, CML, Ethernet, LVDS, MIPI, etc.







Line-ups of TVS products (from the left, THTVS411, THTVS312, THTVS514)

| Product<br>number        | THTVS411<br>Small package | THTVS312<br>Small-sized 2ch product,<br>suitable for differential lanes | THTVS514<br>Standard 10-pin package,<br>suitable for differential 2 lanes |  |  |
|--------------------------|---------------------------|---|---|--|--|
| Package                  | 0603 (0.6x0.3x0.25mm)     | 1006 (1.0x0.6x0.4mm)  | 2510 (2.5x1.0x0.55mm)   |  |  |
| Frequency                | DC ~ 8GHz                 | DC ~ 6GHz   | DC ~ 6GHz   |  |  |
| Vrwm Max                 | 4V                        | 3.6V  | 5.5V  |  |  |
| IEC6100-4-2 test results |                           |   |   |  |  |
| Contact                  | ±20kV                     | ±17kV   | ±12kV   |  |  |
| Air                      | ±25kV                     | ±20kV   | ±17kV   |  |  |



▶ Real-time-based AI image diagnosis from remoted video cameras





Could-Al

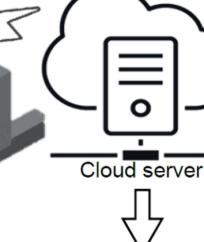
#### **Solution by EdgeAl-Link**<sup>™</sup>, a cloud-linked Edge-Al cameras

Advantages to use cloud-linked Edge-AI in addition to Cloud-AI:

- ➤ Achieving real-time AI diagnosis
- Drastically reducing costs of video data communication with Al diagnostic accuracy
- No need to communicate privacy data to cloud servers

Communicating Alextracted image feature points

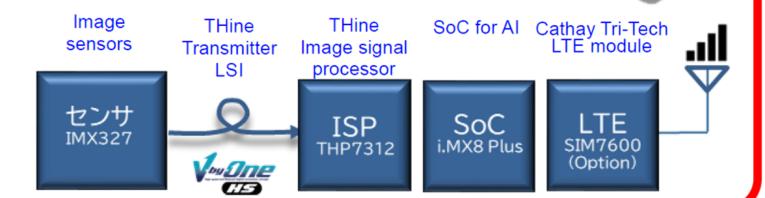
EdgeAl-Link (Edge-Al camera)



Real-time Al diagnosis available from remoted cameras

#### Edge-Al camera extracts image feature points

EdgeAl-Link<sup>TM</sup>, a cloud-linked Edge-Al camera







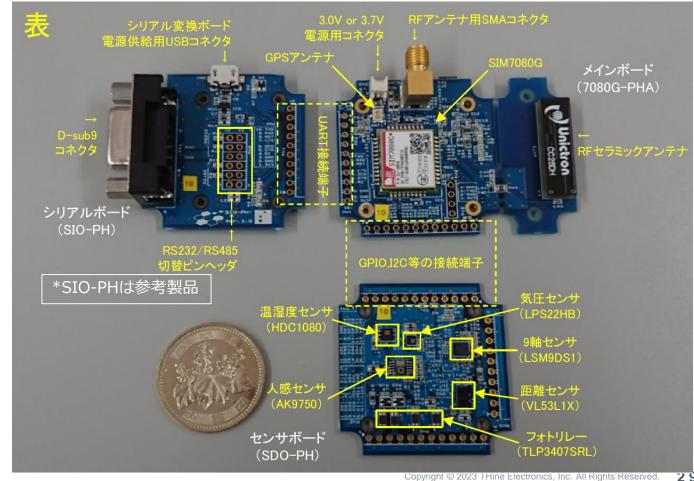
contribution to sensing IoT

5G Al/loT

#### IoT modem board product: 7080G-PHA

#### specification :

- Supporting Rel.14-based Cat-M1/NB1/NB2 with global module applicable to Japanese 3 carriers as well as abroad carriers
- Loading various sensors and building IoT system readily on small-sized PCB with cellular and GPS antenna
- Extension board available to support serial port of RS232C/485
- Direct connect pin available to each functional port on the module
- Ultra-low voltage designing suitable for dry batteries
- Supporting MicroSIM card (3FF), eSIM (inside / outside), and SoftSIM
- Loading RTOS(TX3.0) to support Edgebased processing or outside-based control with using memory area of modules







► Contribution to various IoT use cases

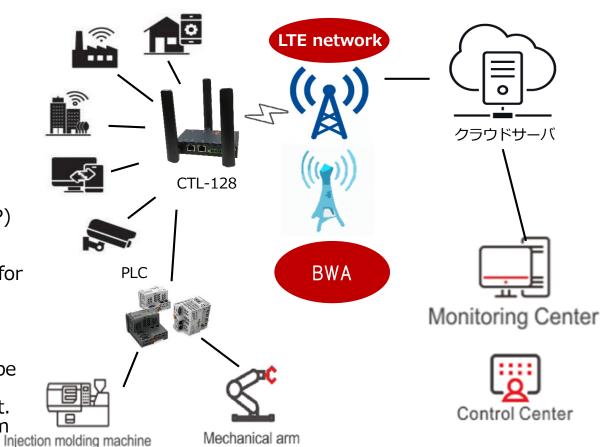
5G Al/loT

#### Wireless LAN router with LTE module: CTL-128



#### **■** Feature of CTL-128

- Supporting Japaneses communication carriers: NTT docomo/KDDI/SoftBank\*/Rakuten Mobile\*and MVNO [loading wireless module SIM7600JC-HG]
- 2) Supporting local BWA, private LTE(self-operated BWA, sXGP)
- 3) Wireless LAN as standard equipment (IEEE802.11b/g/n)
- 4) Supporting VPN: PPTP, L2pt, IPSec, Open VPN, etc.
- 5) Can be equipped with a wide variety of protocols developed for industrial use
- 6) Users' applications can be developed, embedded and used according to user needs.
- 7) Serial port [RS485/RS232C] as standard equipment
- 8) Supports PLCs of more than 300 makers worldwide and can be coupled with many industrial facilities, enabling easy data collection, reporting, alarm functions and facility management.
- 9) Compact and light weight design: size:127.0x83.0x24.0 mm weight approx.250g
- 10)Wide operating temperature range: -30°C~70°C







► Contribution to various IoT use cases

**5G Al/loT** 

#### Bluetooth Module BLUE X: mRF04c-S1a

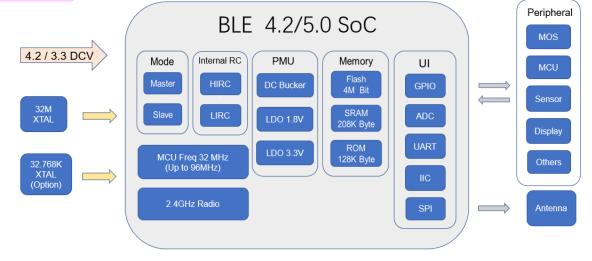




#### **Features of Bluetooth Module:**

This Bluetooth module have ARM CPU core inside, enabling executing application programs without outside host CPU

- Users can originally develop application by structuring development environment
- ➤ In terms of customized development, Cathay Tri-Tech can made its technical supports



**Applicable frequency:** 2.4 GHz ISM band with protocol of BLE 4.2 / 5.0

Operating temperature:  $-25^{\circ}\text{C} \sim +80^{\circ}\text{C}$ 

Current consumption: with 4.3V on-chip DCDC converter: Rx: 4.3mA, Tx: 4.4mA

with 3.3V on-chip DCDC converter: Rx: 5.5mA, Tx: 5.7mA

#### **Supporting digital interfaces:**

- Up to 14 GPIO
- Internal Quad-SPI flash interface
- General purpose SPI interface (supporting both of SPIM and SPIS mode)
- Support 2xUART: supporting flow controls up to 1Mbps and all baud rates below 1Mbps, also supporting IRDA
- Supporting 2x I2C: programmable master/slave up to 1Mbps
- Supporting 2x timers
- Supporting a watchdog timer
- Supporting 5x PWM output





▶ Innovating solution of beyond 5G and 8K, obtaining beyond growth advantages

**Beyond 5G/8K** 

R&D toward 1000Gbps ultra-high-speed data transmission

the National Institute of Information and Communications
Technology (NICT)



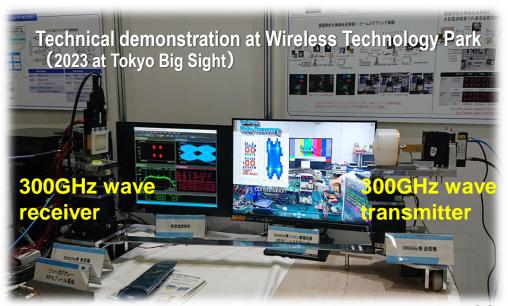
8K TV, remote medical diagnosis, eSports, etc.

Ministry of Internal Affairs and Communications

Hiroshima University

Nagoya Institute of Technology

Tokyo University of Science





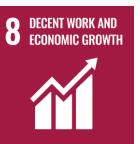
▶ Contribution to SDGs

## Interface to the Future

- Solution by Smart Connectivity -













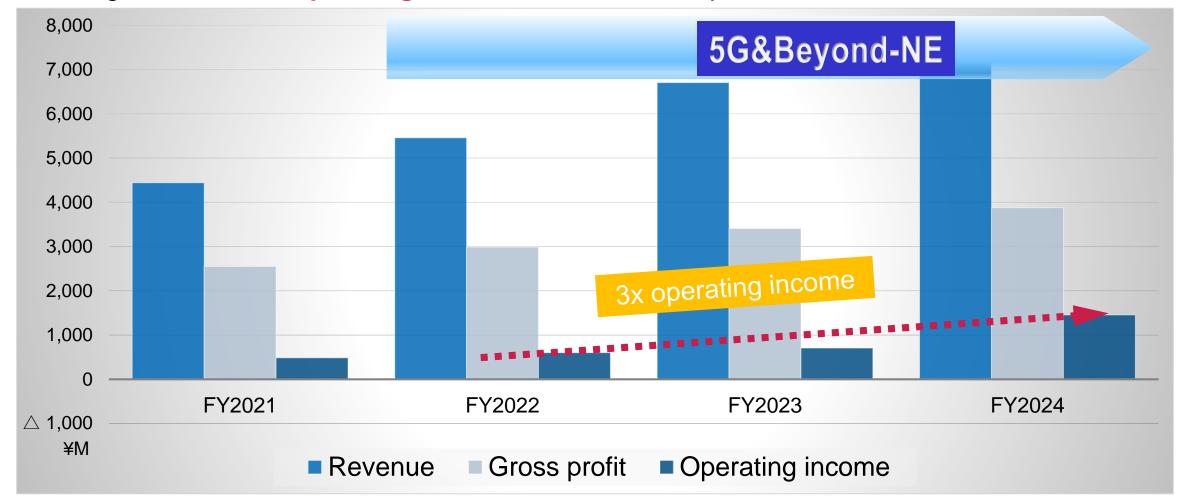




- √ V-by-One® HS plus contributes to reduce energy consumption in high-resolution displays
- ✓ Smarter data transmission in automotive sensing
- ✓ Reducing number of cables by high-speed data transmission technology
- ✓ Reducing energy consumptions by achieving low power consumption and by achieving heat efficiency in power system
- ✓ Reducing energy consumptions in transporting and delivering through AI and IoT technology



► Focusing on growing markets, achieving strategic 5 Goals, aiming to achieve 3x operating income in FY2024, compared to FY2021





#### ► Forecast in FY2023

FY2023 is the second year of the mid-term strategy, "5G&Beyond-NE"

Forecasting increase in sales and operating income through consequent 3 fiscal years.

(yen in million)

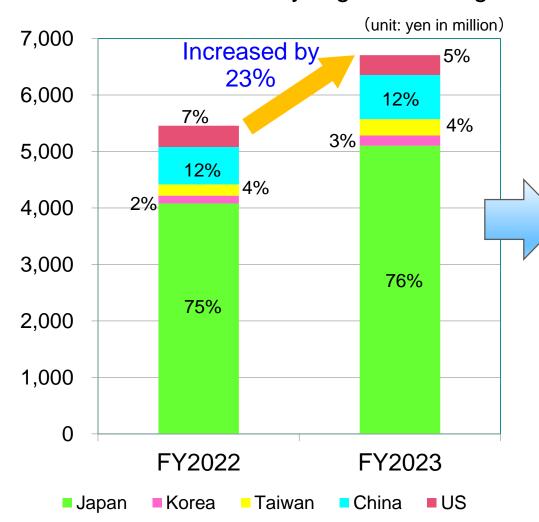
|   | Forecast in FY2023 |          |       | FY2022 results |          | FY2021 results |          |
|---|--------------------|----------|-------|----------------|----------|----------------|----------|
|   |                    | Portion% | YoY   |                | Portion% |                | Portion% |
| Revenues  | 6,705              | 100.0    | 123.1 | 5,456          | 100.0    | 4,441          | 100.0    |
| <b>Gross Profit</b>   | 3,408              | 50.8     | 114.8 | 2,987          | 54.8     | 2,549          | 57.4     |
| SG&A  | 2,701              | 40.3     | 113.2 | 2,386          | 43.7     | 2,063          | 46.5     |
| (R&D expenses)  | 1,210              | 18.0     | 119.8 | 1,009          | 18.5     | 801            | 18.1     |
| <b>Operating Income</b>   | 706                | 10.5     | 117.4 | 601            | 11.0     | 485            | 10.9     |
| EBITDA  | 876                | 13.0     | 113.0 | 775            | 14.2     | 644            | 14.5     |
| Ordinary Income   | 707                | 10.6     | 78.1  | 906            | 16.6     | 698            | 15.7     |
| (Ordinary Income* without foreign currency exchange gain or loss) | 707                | 10.6     | 111.2 | 636            | 11.7     | 491            | 11.1     |
| Net income attributable to<br>Owner of the Parent                 | 479                | 7.2      | 59.5  | 820            | 15.0     | 727            | 16.4     |

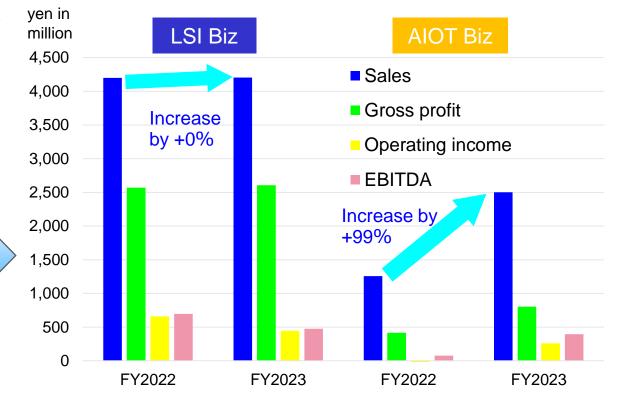
<sup>\*</sup>Assumed JPY/USD rate in FY2023: JPY130/1USD. The forecast above does not include exchange gain/loss of JPY/USD forecast. cf. Exchange gain in JPY/USD: JPY270M (FY2022) / JPY207M(FY2021)

Copyright © 2023 THine Electronics, Inc. All Rights Reserved. 3 5



► Forecast in FY2023 by region and segment



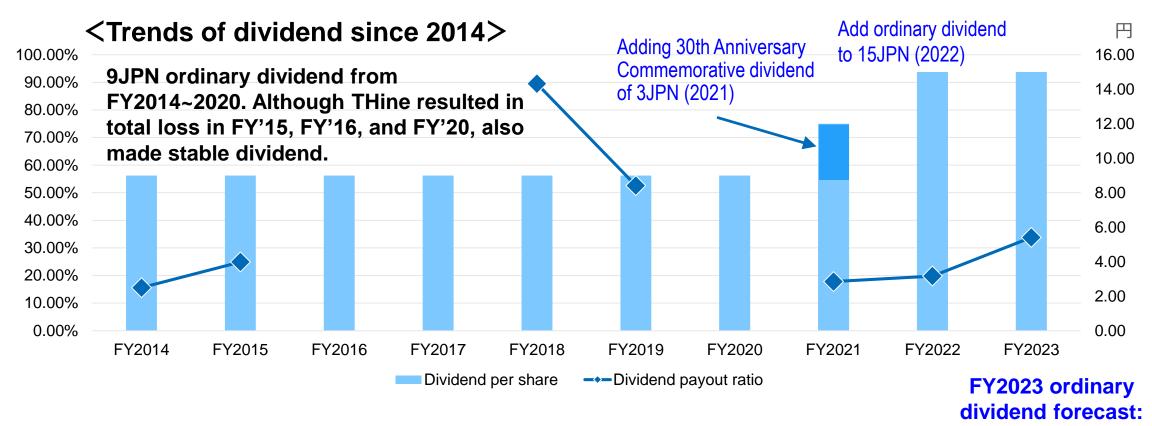


- In FY2023 AIOT Biz highly contributes to achieve sales growth by +23%, promoting automotive business (drive recorders, etc.) and IoT solutions for infrastructure markets.
- For LSI Biz THine focuses on automotive and industrial markets and positively invests in R&D, increased by +22%, to capture future growth opportunities after FY2024.



► Shareholder return policy

The entire team will work together to realize our growth strategy and implement shareholder returns based on performance growth.



15JPN payout ratio 33.8%



# Interface to the Future - Solution by Smart Connectivity -

URL https://www.thine.co.jp/ Contact: IR Team, General Dept.

mail: investors@thine.co.jp phone: +81-3-5217-6660

9-1, Kanda-mitoshiro-cho, Chiyoda-ku, Tokyo, 101-0013 Japan

Disclaimer: Certain statements in this presentation are "forward-looking statements." Forward-looking statements may be identified by the use of words such as "estimate," "plan," "project," "forecast," "intend," "will," "expect," "anticipate," "believe," "seek," "target" or other similar expressions that predictor indicate future event sort rends or that are not statements of historical matters. These forward-looking statements include, but are not limited to, statements regarding our anticipated future results, including financial results, currency exchange rates, contract wins, future economic and market conditions. These statements are based on various assumptions, whether or not identified in this presentation, and on the current expectations of THine's management and are not predictions of actual performance. These forward-looking statements are provided for illustrative purposes only and are not intended to serve as, and must not be relied on by any investor as a guarantee, an assurance, a prediction or a definitive statement of factor probability. Actual events and circumstances are difficult or impossible to predict and will differ from assumptions. Many actual events and circumstances are beyond the control of THine. All trademarks and registered trademarks are the property of their respective owners.