# **EMBEDDED PROCESSING**



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### **AT A GLANCE** EMBEDDED PROCESSING



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### **GROWTH DRIVERS** EMBEDDED PROCESSING



## **MCU SHARE AND DESIGN IN**



## **TARGET BUSINESS PROFILE**





# **EMBEDDED PROCESSING STRATEGY**



## **USER EXPERIENCES**



# **USER EXPERIENCES**

Find Optin	mizing accessi	ing accessibility and visibility				ource community and m partner			
	Company A	Company B	Renesas			Company C	Company D	Renesas	
Contents	0	0	Approx. 3,000 pages		Open-Source Community				
User's Manual	Approx.1,500 pages	Approx.2,000 pages			Arduino Supported Hardware		20+	3	
Accessibility	ation	Ô	$\bigtriangleup$	Supported	a Hardware				
Ease of accessing inform Web, APN, Guide, Select					Zephyr RTOS Supported Boards		19	1	
<b>Visibility</b> Number of Registrations parts on Altium Designed		150k	83k	Ecosyste Partner	Ecosystem Partner		200+	350+	

### **GEN-AI TREND CAUSES A SHIFT IN COMPUTING BALANCE** FROM CENTRALIZED CLOUD TO BALANCE WITH DISTRIBUTED EDGE/ENDPOINT

Data center in "Centralized Cloud" cannot meet GenAl demand due to power crisis

Data center electricity consumption forecast





Source: International Energy Agency's (IEA) Electricity 2024 report

# **RENESAS' AI SOLUTION IN GEN-AI ERA**



### RENESAS

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### SOFTWARE FOR AI PROVIDE VARIOUS TYPES OF S/W FOR MASS MARKET



## **SUMMARY**



#### Rich scalable MCU/MPU portfolio

User experiences improvement

Power efficient AI solutions & bring to mass







#### (FORWARD-LOOKING STATEMENTS)

The statements in this presentation with respect to the plans, strategies and forecasts of Renesas Electronics and its consolidated subsidiaries (collectively "we") are forward-looking statements involving risks and uncertainties. Such forward looking statements do not represent any guarantee by management of future performance. In many cases, but not all, we use such words as "aim," "anticipate," "believe," "continue," "endeavor," "estimate," "expect," "initiative," "intend," "may," "plan," "potential," "probability," "project," "risk," "seek," "should," "strive," "target," "will" and similar expressions to identify forward looking statements. You can also identify forward-looking statements by discussions of strategy, plans or intentions. These statements discuss future expectations, identify strategies, contain projections of our results of operations about our business and industry, our future business strategies and the environment in which we will operate in the future. Known and unknown risks, uncertainties and other factors could cause our actual results, performance or achievements to differ materially from those contained or implied in any forward-looking statement, including, but not limited to: general economic conditions in our markets, which are primarily Japan, North America, Asia and Europe; demand for, and competitive pricing pressure on, our products and services in the marketplace; our ability to continue to win acceptance of its products and services in these highly competitive markets; and movements in currency exchange rates, particularly the rate between the yen and the U.S. dollar. Among other factors, a worsening of the world economy, a worsening of financial conditions in the world markets, and a deterioration in the domestic and overseas stock markets, would cause actual results to differ from the projected results forecast.

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